

Data cables



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Group

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Draka
General Cable

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Calculate the best, most economical, technical and ecological cable cross-section for each type of installation.



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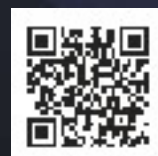
In addition, it includes the new updated Low and Medium Voltage Cable catalogue, with improved technical content and the largest product range on the market.



Prysmian
Club

prysmianclub.pt

E-learning platform, to help you develop your business and offer your clients the best advice, converting you into a real expert in cables and how to install them.



Prysmian
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General Cable



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info.celcat@prysmiangroup.com

Welcome to the most extensive products and services portfolio in the market

Prysmian Group, a world leader in the energy and telecom cable industry with more than 140 years of experience, is strongly positioned in high-tech markets and offers the widest possible range of products, services, consultancy and know-how in the market.

Our extensive customer portfolio, from all market segments, allows us to provide energy, telecommunications products and services in a wide range of applications, such as medium and low voltage cables for the construction and infrastructures sectors, special cables for the strictest industries and underground and submarine systems. In all cases with the highest standards of quality.

Since 2018, Prysmian Group has been consolidating its presence in Portugal through its merger with General Cable Celcat, thus strengthening its position as a market leader due to its vast experience, know-how and service availability. In this way, General Cable, together with Prysmian and Draka, have now become part of the family of brands owned by Prysmian Group.

We increase the value of the products and technologies that we develop. The result is a complete portfolio of totally exclusive products and services that, along with our proximity, make us a solid and essential ally for customers who strive day by day to be competitive and to grow.

Visit our website at: **www.prysmiangroup.pt** or call us on **+351 21 967 85 00**.

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Type U/UTP Category 5E



U/UTP CAT5E 4PR LSZH



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: C_{ca}-s1,d2,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Green [GN] - C_{ca}

PART NUMBER/PACKAGING

C_{ca}: 60094718 / Box 305m [GN]
C_{ca}: 60094717 / Reels 500m [GN]
C_{ca}: 60094716 / Reels 1000m [GN]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

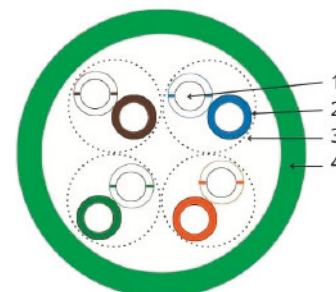
- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Sheath: LSZH material

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 40
- @100-1000MHz 40-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



Not at scale

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
C _{ca}	5,6	39,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

U/UTP CAT5E 4PR LSZH

U/UTP CAT5E 4PR PVC



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}
- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60080858 / Box 305m [WH]
D_{ca}: 60080856 / Reels 500m [WH]
D_{ca}: 60080857 / Reels 1000m [WH]
E_{ca}: 60080844 / Box 305m [GY]
E_{ca}: 60080842 / Reels 500m [GY]
E_{ca}: 60080843 / Reels 1000m [GY]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C, prior storage 24h at 20°C)
Note: DATA cables are not suitable for low impedance applications as: heating, lighting, etc...

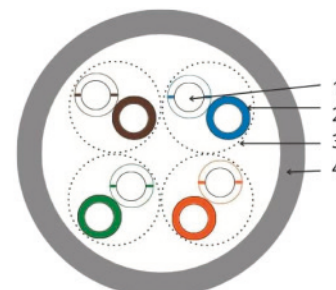
CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Sheath: LSZH material (for Euroclass D_{ca} cable)
- 4 – Sheath: PVC material (for Euroclass E_{ca} cable)

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 40
• @100-1000MHz 40-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	5,1	31,0
E _{ca}	5,5	30,5



Not at scale



TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

U/UTP CAT5E 4PR PVC + PE



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60099120 / Reels 500m [BK]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C, prior storage 24h at 20°C)

Note: DATA cables are not suitable for low impedance applications as: heating, lighting, etc...

CONSTRUCTION

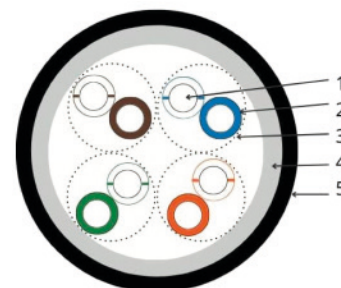
- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Outer sheath: PVC material
- 5 – Outer sheath: PE material

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 40
- @100-1000MHz 40-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



Not at scale

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	6,5	44,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

U/UTP CAT5E 4PR PE



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60080868 / Reels 500m [BK]
F_{ca}: 60080871 / Reels 1000m [BK]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

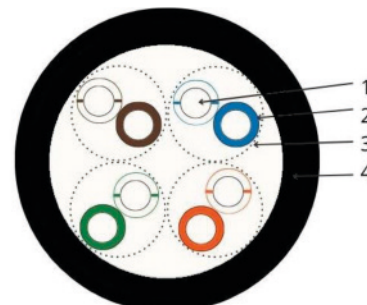
- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Outer sheath: PE material

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 40
- @100-1000MHz 40-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



Not at scale

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	5,4	29,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.

U/UTP CAT5E 4PR PVC + ARMOUR + PE



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60081015 / Reels 500m [BK]
F_{ca}: 60081016 / Reels 1000m [BK]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

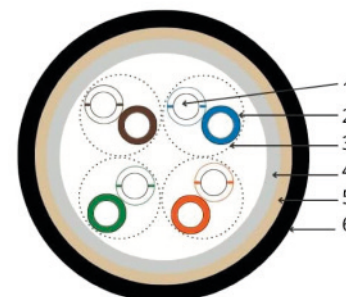
- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Inner Sheath: PVC material
- 5 – Armour: Corrugated Aluminium Tape (CATA)
- 6 – Outer sheath: PE material

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 85
- @100-1000MHz 85-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



Not at scale

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	11,4	135,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.

U/UTP CAT5E 2x4PR LSZH

U/UTP CAT5E 2x4PR PVC



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}
- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60080865 / Reels 500m [WH]
D_{ca}: 60080866 / Reels 1000m [WH]
E_{ca}: 60080853 / Reels 500m [GY]
E_{ca}: 60080854 / Reels 1000m [GY]

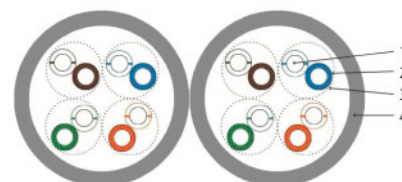
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Sheath: LSZH material (for Euroclass D_{ca} cable)
- 4 – Sheath: PVC material (for Euroclass E_{ca} cable)



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 40
• @100-1000MHz 40-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	5,2 x 10,8	65,0
E _{ca}	5,0 x 10,4	61,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.



Latest news

The latest news to keep you abreast of the latest developments in the cable and cable installation sector.



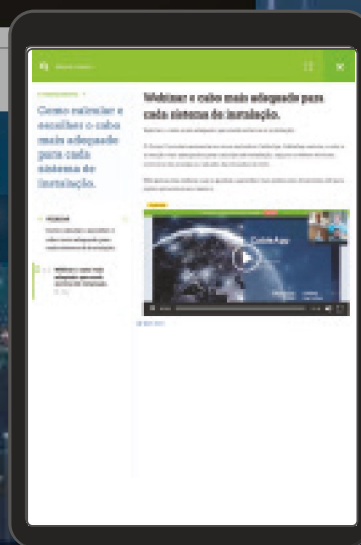
Expert know-how

Technical articles and tips that convert you into a consultant in the eyes of your clients.



e-Learning

To help you develop your business.



Type F/UTP Category 5E



F/UTP CAT5E 4PR LSZH



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-2-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: C_{ca}-s1,d1,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Green [GN] - C_{ca}

PART NUMBER/PACKAGING

C_{ca}: 60094799 / Box 305m [GN]
C_{ca}: 60094315 / Reels 500m [GN]
C_{ca}: 60094314 / Reels 1000m [GN]

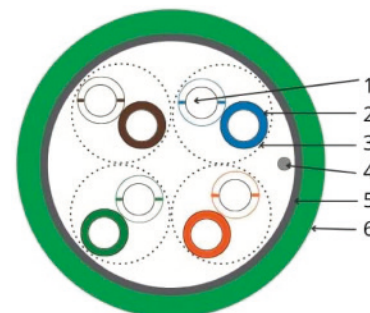
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Drain wire: Tinned Copper conductor
- 5 – Shield: Aluminium/Polyester
- 6 – Sheath: LSZH material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
C _{ca}	6,0	40,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.

F/UTP CAT5E 4PR LSZH F/UTP CAT5E 4PR PVC



STANDARDS

IEC 61156-5
EN 50288-2-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}
- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60080882 / Box 305m [WH]
D_{ca}: 60080880 / Reels 500m [WH]
D_{ca}: 60080881 / Reels 1000m [WH]
E_{ca}: 60080876 / Box 305m [GY]
E_{ca}: 60080874 / Reels 500m [GY]
E_{ca}: 60080875 / Reels 1000m [GY]

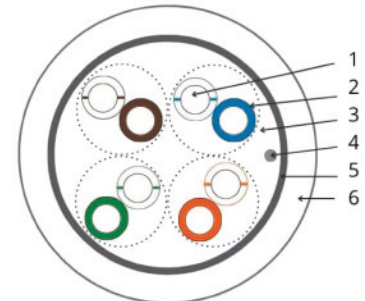
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Drain wire: Tinned Copper conductor
- 5 – Shield: Aluminium/Polyester
- 6 – Sheath: LSZH material (for Euroclass D_{ca} cable)
6 – Sheath: PVC material (for Euroclass E_{ca} cable)



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	5,7	37,0
E _{ca}	5,6	36,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.

F/UTP CAT5E 4PR PVC + ARMOUR + PE



Jet/an5e+

STANDARDS

IEC 61156-5
EN 50288-2-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60082881 / Reels 500m [BK]
F_{ca}: 60080891 / Reels 1000m [BK]

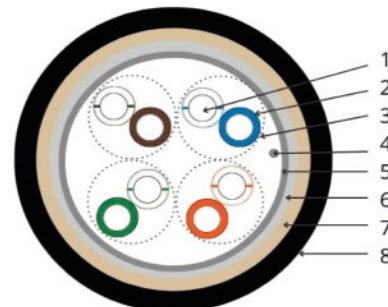
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Drain wire: Tinned Copper conductor
- 5 – Shield: Aluminium/Polyester
- 6 – Inner sheath: PVC material
- 7 – Armour: Corrugated Aluminium Tape (CATA)
- 8 – Outer sheath: PE material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 85
- @100-1000MHz 85-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	11,5	130,6

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.

F/UTP CAT5E 2x4PR PVC



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-2-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

E_{ca}: 60080879 / Reels 500m [GY]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C, prior storage 24h at 20°C)

Note: DATA cables are not suitable for low impedance applications as: heating, lighting, etc...

CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Drain wire: Tinned Copper conductor
- 5 – Shield: Aluminium/Polyester
- 6 – Sheath: LSZH material (for Euroclass D_{ca} cable)



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 55
- @100-1000MHz 55-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
E _{ca}	5,7 x 11,8	75,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

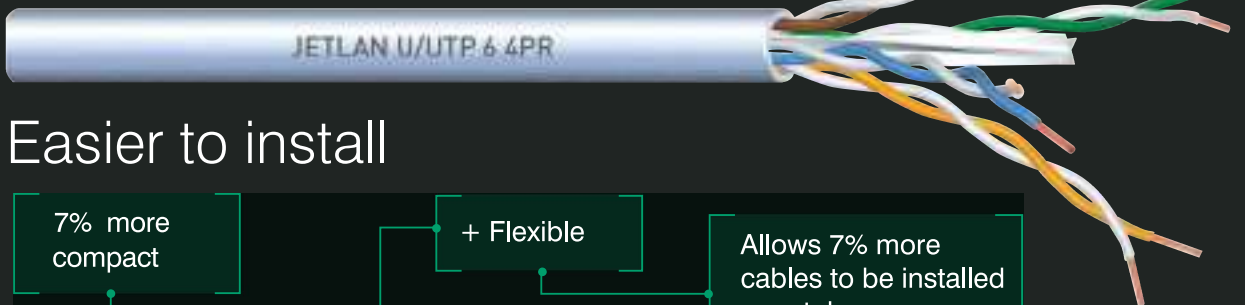
* For information only.

Note: Insertion loss values for 20°C.

New data cable

JetLan® UTP6 4 Pares HD

Best at everything, best for everyone!



Easier to install

7% more compact

+ Flexible

Allows 7% more cables to be installed on a tube

7% lighter

Sustainable



Reduces the use of plastic



3P Third Party Certification



7% reduction in carbon footprint



CPR certification



E_{ca} and D_{ca} Class



Halogen free



Flame retardant



Low acidity and corrosivity of evolved gases



Manufactured in Portugal

General Cable



+351 308 812 408
info.celcat@prysmiangroup.com

A brand of

Prysmian
Group

Type U/UTP Category 6



U/UTP CAT6 HD 4PR LSZH



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-6-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: C_{ca}-s1,d1,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

• Green [GN] - C_{ca}

PART NUMBER/PACKAGING

C_{ca}: 60094814 / Box 305m [GN]
C_{ca}: 60093574 / Reels 500m [GN]
C_{ca}: 60094316 / Reels 1000m [GN]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

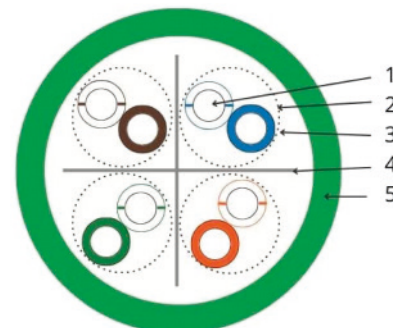
Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross filler
5 – Sheath: LSZH material

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 101 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 40
• @100-1000MHz 40-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



Not at scale

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
C _{ca}	5,7	40,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

U/UTP CAT6 4PR LSZH U/UTP CAT6 4PR PVC



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-6-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}
- Violet [VT] - D_{ca}
- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60087919 / Box 305m [WH]
D_{ca}: 60087917 / Reels 500m [WH]
D_{ca}: 60087918 / Reels 1000m [WH]
D_{ca}: 60097857 / Box 305m [VT]
D_{ca}: 60097858 / Reels 1000m [VT]
E_{ca}: 60087916 / Box 305m [GY]
E_{ca}: 60087914 / Reels 500m [GY]
E_{ca}: 60087915 / Reels 1000m [GY]

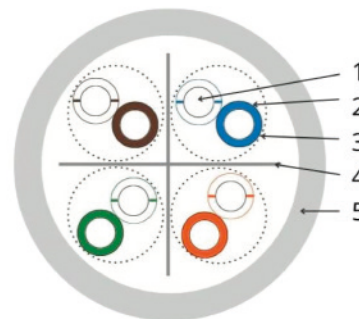
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

- 1 – Conductor: 23 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Cross Filler
- 5 – Sheath: LSZH material (for Euroclass D_{ca} cable)
- 5 – Sheath: PVC material (for Euroclass E_{ca} cable)



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 101 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 40
• @100-1000MHz 40-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	5,5	36,0
E _{ca}	5,5	36,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

U/UTP CAT6 HD 4PR PVC + PE



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-6-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

• Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60099208 / Reels 500m [BK]
F_{ca}: 60099206 / Reels 1000m [BK]
F_{ca}: 60099207 / Wooden Drum
5000m [BK]

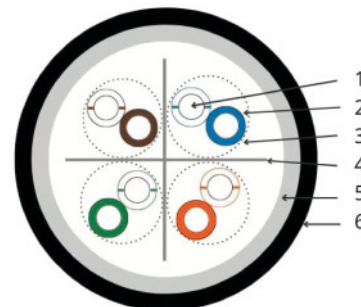
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross Filler
5 – Inner Sheath: PVC material
6 – Outer Sheath: PE material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 40
• @100-1000MHz 40-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	7,0	50,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

U/UTP CAT6 HD 4PR PE



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-6-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

• Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60093486 / Reels 500m [BK]
F_{ca}: 60093487 / Reels 1000m [BK]
F_{ca}: 60095623 / Wooden Drum
5000m [BK]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

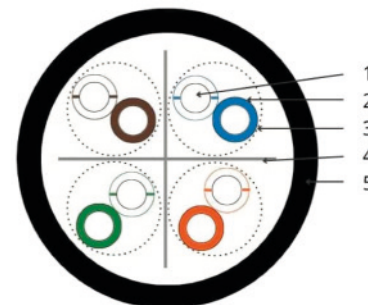
Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross Filler
5 – Outer Sheath: PE material

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 40
• @100-1000MHz 40-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



Not at scale

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	6,0	34,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

U/UTP CAT6 4PR PVC + ARMOUR + PE



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-6-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60080910 / Reels 500m [BK]
F_{ca}: 60080912 / Reels 1000m [BK]

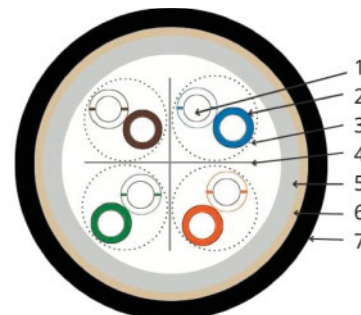
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross filler
5 – Inner sheath: PVC material
6 – Armour: Corrugated Aluminium Tape (CATA)
7 – Outer sheath: PE material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Atenuação de acoplamento dB (min.):
• @30-100MHz 85
• @100-1000MHz 85-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	11,5	126,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

Type F/UTP Category 6



F/UTP CAT6 4PR LSZH



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-5-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: C_{ca}-s1,d1,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- Green [GN] - C_{ca}

PART NUMBER/PACKAGING

C_{ca}: 60092565 / Reels 500m [GN]
C_{ca}: 60094317 / Reels 1000m [GN]

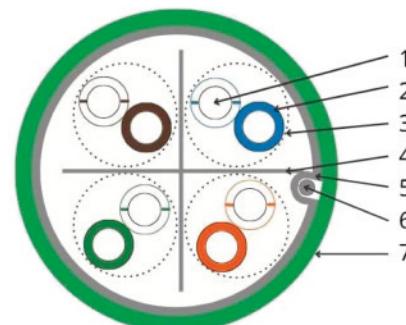
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross filler
5 – Shield: Aluminium/Polyester
6 – Drain wire: Tinned Copper conductor
7 – Sheath: LSZH material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
C _{ca}	7,5	49,0

TRANSMISSION CHARACTERISTICS

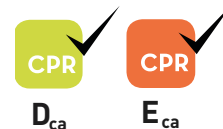
Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

F/UTP HD CAT6 4PR LSZH

F/UTP HD CAT6 4PR PVC



STANDARDS

IEC 61156-5
EN 50288-5-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM

REACTION TO FIRE

Class: D_{ca}-s2, d2, a1
E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}
- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60090501 / Reels 500m [WH]
D_{ca}: 60097720 / Reels 1000m [WH]
E_{ca}: 60080915 / Reels 500m [GY]
E_{ca}: 60080916 / Reels 1000m [GY]

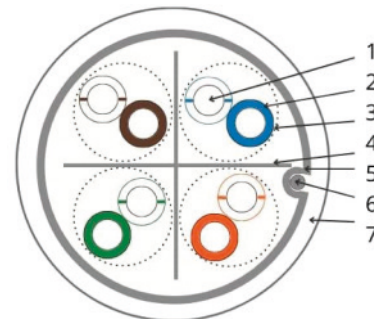
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C, prior storage 24h at 20°C)

Note: DATA cables are not suitable for low impedance applications as: heating, lighting, etc...

CONSTRUCTION

- 1 – Conductor: 23 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Cross Filler
- 5 – Shield: Aluminium/Polyester
- 6 – Drain wire: Tinned Copper conductor
- 7 – Sheath: LSZH material (for Euroclass D_{ca} cable)
- 7 – Sheath: PVC material (for Euroclass E_{ca} cable)



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	7,0	46,5
E _{ca}	7,0	47,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

F/UTP HD CAT6 4PR PVC + PE



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-5-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60086852 / Reels 500m [BK]
F_{ca}: 60080930 / Reels 1000m [BK]

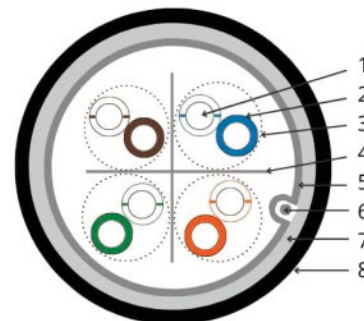
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross filler
5 – Shield: Aluminium/Polyester
6 – Drain wire: Tinned Copper conductor
7 – Inner Sheath: PVC material
8 – Outer Sheath: PE material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 72
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	8,5	64,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.

F/UTP HD CAT6 4PR PE



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-5-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

• Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60099032 / Reels 500m [BK]
F_{ca}: 60099033 / Reels 1000m [BK]

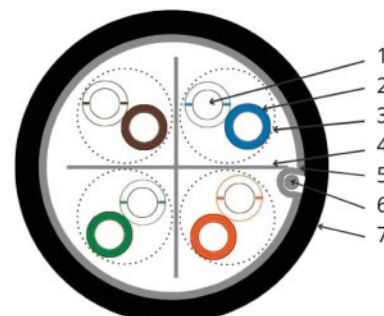
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross Filler
5 – Shield: Aluminium/Polyester
6 – Drain wire: Tinned Copper conductor
7 – Outer Sheath: PE material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	7,5	43,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.

F/UTP CAT6 4PR PVC + ARMOUR + PE



Jetlan6+

STANDARDS

IEC 61156-5
EN 50288-5-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 Gbps ATM
10G BASE-T (Length<50m)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

• Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60091064 / Reels 500m [BK]
F_{ca}: 60080931 / Reels 1000m [BK]

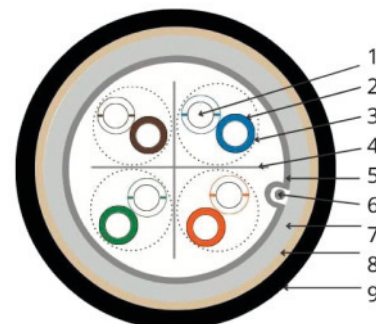
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross Filler
5 – Shield: Aluminium/Polyester
6 – Drain wire: Tinned Copper conductor
7 – Inner Sheath: PVC material
8 – Armour: Corrugated Aluminium Tape (CATA)
9 – Outer sheath: PE material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 72
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 85
• @100-1000MHz 85-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	13,5	169,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

* For information only.

Note: Insertion loss values for 20°C.

Type U/UTP Category 6A



U/UTP CAT6A E1 4PR LSZH



Jetlan6A

STANDARDS

IEC 61156-5
EN 50288-10-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 / 2.4 Gbps ATM
10G BASE-T

REACTION TO FIRE

Class: C_{ca}-s1,d1,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 Light Blue / Blue
2 White / Orange
3 Light Green / Green
4 Light Brown / Brown

Outer sheath colour:

• Green [GN] - C_{ca}

PART NUMBER/PACKAGING

C_{ca}: 60095074 / Reels 500m [GN]
C_{ca}: 60095023 / Reels 1000m [GN]

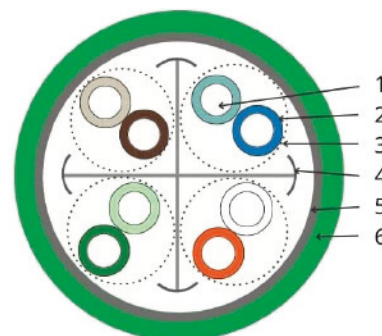
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin Foam-Skin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross Filler
5 – NEXT Encapsulated Barrier
6 – Sheath: LSZH material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 70
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 100
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
C _{ca}	7,5	56,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,5	59,5	23,0
10	5,9	60,3	57,3	48,0	45,0	54,4	51,4	25,0
16	7,5	57,2	54,2	43,9	40,9	49,8	46,8	25,0
20	8,4	55,8	52,8	42,0	39,0	47,4	44,4	25,0
31,25	10,5	52,9	49,9	38,1	35,1	42,4	39,4	23,6
62,5	15,0	48,4	45,4	32,1	29,1	33,4	30,4	21,5
100	19,1	45,3	42,3	28,0	25,0	26,2	23,2	20,1
125	21,5	43,8	40,8	26,1	23,1	22,3	19,3	19,4
200	27,6	40,8	37,8	22,0	19,0	13,2	10,2	18,0
250	31,1	39,3	36,3	20,0	17,0	8,3	5,3	17,3
300*	34,3	38,1	35,1	18,5	15,5	3,9	0,9	17,3
500*	45,3	34,8	31,8	14,0	11,0	---	---	17,3
600*	50,1	33,6	30,6	12,4	9,4	---	---	17,3

* For information only.
Note: Insertion loss values for 20°C.

U/UTP CAT6A E1 4PR LSZH



Jetlan6A

STANDARDS

IEC 61156-5
EN 50288-10-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 / 2.4 Gbps ATM
10G BASE-T

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 Light Blue / Blue
2 White / Orange
3 Light Green / Green
4 Light Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60095021 – Reels 500m [WH]
D_{ca}: 60095022 – Reels 1000m [WH]

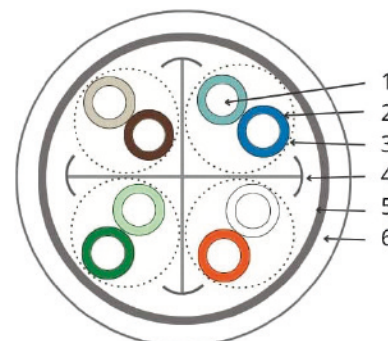
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper
2 – Insulation: Polyolefin Foam-Skin
3 – Formation: Varying short pair lay-length (4 pairs)
4 – Cross Filler
5 – NEXT Encapsulated Barrier
6 – Sheath: LSZH material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 70
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	7,5	49,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,5	59,5	23,0
10	5,9	60,3	57,3	48,0	45,0	54,4	51,4	25,0
16	7,5	57,2	54,2	43,9	40,9	49,8	46,8	25,0
20	8,4	55,8	52,8	42,0	39,0	47,4	44,4	25,0
31,25	10,5	52,9	49,9	38,1	35,1	42,4	39,4	23,6
62,5	15,0	48,4	45,4	32,1	29,1	33,4	30,4	21,5
100	19,1	45,3	42,3	28,0	25,0	26,2	23,2	20,1
125	21,5	43,8	40,8	26,1	23,1	22,3	19,3	19,4
200	27,6	40,8	37,8	22,0	19,0	13,2	10,2	18,0
250	31,1	39,3	36,3	20,0	17,0	8,3	5,3	17,3
300*	34,3	38,1	35,1	18,5	15,5	3,9	0,9	17,3
500*	45,3	34,8	31,8	14,0	11,0	---	---	17,3
600*	50,1	33,6	30,6	12,4	9,4	---	---	17,3

* For information only.
Note: Insertion loss values for 20°C.

**Prysmian
Group**

Prysmian
Draka
General Cable

Multimedia and Business Networks

Connecting multimedia to private communications

We expect fast, reliable connections in all sectors, from the TV and films, to railways and long-distance communications. And our standards are increasingly higher.

For this reason, **Prysmian Group creates next-generation solutions** today. Our specialised multimedia solutions department is dedicated to **private communication networks** developed for **larger bandwidths**, a longer useful life and total reliability.

We provide support to stockists, resellers and OEMs with the main optical, coaxial and copper cables in the world. Mobile communications are driving the future. But most applications rely on stable structures with cables. Our varied multimedia solutions provide **reliability, flexibility and innovation** for infrastructure



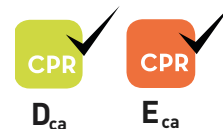
+351 308 812 408
info.celcat@prysmiangroup.com

Type F/UTP Category 6A



F/UTP CAT6A 4PR LSZH

F/UTP CAT6A 4PR PVC



Jetlan6A

STANDARDS

IEC 61156-5
EN 50288-10-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 / 2.4 Gbps ATM
10G BASE-T

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours
1 White-Blue / Blue
2 White-Orange / Orange
3 White-Green / Green
4 White-Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}
- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60080935 / Drum 500m [WH]
D_{ca}: 60095243 / Drum 1000m [WH]
E_{ca}: 60089646 / Drum 500m [GY]
E_{ca}: 60080934 / Drum 1000m [GY]

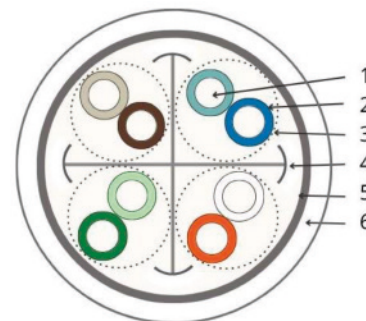
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

- 1 – Conductor: 23 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin Foam-Skin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Cross Filler
- 5 – Foil: Overall Aluminium/polyester shielding
- 6 – Sheath: LSZH material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 70
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):
• @30-100MHz 55
• @100-1000MHz 55-20log(f/100)
Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	7,5	55,5
E _{ca}	7,2	49,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,5	59,5	23,0
10	5,9	60,3	57,3	48,0	45,0	54,4	51,4	25,0
16	7,5	57,2	54,2	43,9	40,9	49,8	46,8	25,0
20	8,4	55,8	52,8	42,0	39,0	47,4	44,4	25,0
31,25	10,5	52,9	49,9	38,1	35,1	42,4	39,4	23,6
62,5	15,0	48,4	45,4	32,1	29,1	33,4	30,4	21,5
100	19,1	45,3	42,3	28,0	25,0	26,2	23,2	20,1
125	21,5	43,8	40,8	26,1	23,1	22,3	19,3	19,4
200	27,6	40,8	37,8	22,0	19,0	13,2	10,2	18,0
250	31,1	39,3	36,3	20,0	17,0	8,3	5,3	17,3
300*	34,3	38,1	35,1	18,5	15,5	3,9	0,9	17,3
500*	45,3	34,8	31,8	14,0	11,0	---	---	17,3
600*	50,1	33,6	30,6	12,4	9,4	---	---	17,3

* For information only.
Note: Insertion loss values for 20°C.

Type U/FTP Category 6A



U/FTP CAT6A 4PR LSZH



Jetlan6A

STANDARDS

IEC 61156-5
EN 50288-10-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 / 2.4 Gbps ATM

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 Light Blue / Blue
- 2 White / Orange
- 3 Light Green / Green
- 4 Light Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}
- Grey [GY] - E_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60080939 / Reels 500m [WH]
D_{ca}: 60102428 / Reels 1000m [WH]

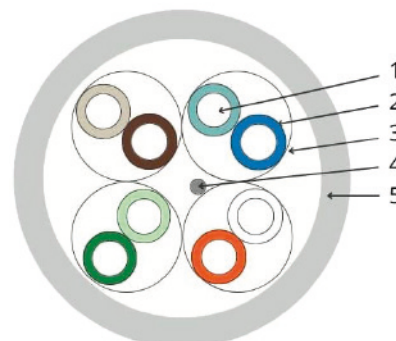
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

- 1 – Conductor: 23 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin Foam-Skin
- 3 – Formation: Varying short pair lay-length (4 pairs)
and individual Aluminium/polyester shielding
- 4 – Drain wire: Tinned Copper conductor
- 5 – Sheath: LSZH material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 70
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 65
- @100-1000MHz 65-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	8,0	55,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,5	59,5	23,0
10	5,9	60,3	57,3	48,0	45,0	54,4	51,4	25,0
16	7,5	57,2	54,2	43,9	40,9	49,8	46,8	25,0
20	8,4	55,8	52,8	42,0	39,0	47,4	44,4	25,0
31,25	10,5	52,9	49,9	38,1	35,1	42,4	39,4	23,6
62,5	15,0	48,4	45,4	32,1	29,1	33,4	30,4	21,5
100	19,1	45,3	42,3	28,0	25,0	26,2	23,2	20,1
125	21,5	43,8	40,8	26,1	23,1	22,3	19,3	19,4
200	27,6	40,8	37,8	22,0	19,0	13,2	10,2	18,0
250	31,1	39,3	36,3	20,0	17,0	8,3	5,3	17,3
300*	34,3	38,1	35,1	18,5	15,5	3,9	0,9	17,3
500*	45,3	34,8	31,8	14,0	11,0	---	---	17,3
600*	50,1	33,6	30,6	12,4	9,4	---	---	17,3

* For information only.
Note: Insertion loss values for 20°C.

Type F/FTP Category 6A



F/FTP CAT6A 4PR LSZH



Jetlan6A

STANDARDS

IEC 61156-5
EN 50288-10-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)
1.2 / 2.4 Gbps ATM

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 Light Blue / Blue
- 2 White / Orange
- 3 Light Green / Green
- 4 Light Brown / Brown

Outer sheath colour:

- White [WH] - D_{ca}

PART NUMBER/PACKAGING

D_{ca}: 60080941 / Reels 500m [WH]

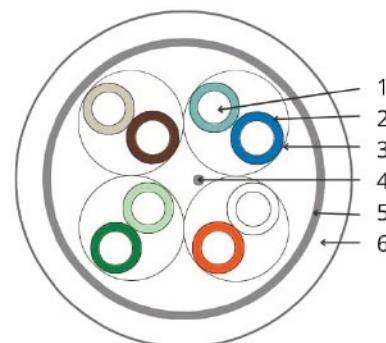
OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C, prior storage 24h at 20°C)

Note: DATA cables are not suitable for low impedance applications as: heating, lighting, etc...

CONSTRUCTION

- 1 – Conductor: 23 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin Foam-Skin
- 3 – Formation: Varying short pair lay-length (4 pairs) and individual Aluminium/polyester shielding
- 4 – Drain wire: Tinned Copper conductor
- 5 – Foil: Overall Aluminium/polyester shielding
- 6 – Sheath: LSZH material



Not at scale

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 95,0
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 70
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 75
- @100-1000MHz 75-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
D _{ca}	8,0	58,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,5	59,5	23,0
10	5,9	60,3	57,3	48,0	45,0	54,4	51,4	25,0
16	7,5	57,2	54,2	43,9	40,9	49,8	46,8	25,0
20	8,4	55,8	52,8	42,0	39,0	47,4	44,4	25,0
31,25	10,5	52,9	49,9	38,1	35,1	42,4	39,4	23,6
62,5	15,0	48,4	45,4	32,1	29,1	33,4	30,4	21,5
100	19,1	45,3	42,3	28,0	25,0	26,2	23,2	20,1
125	21,5	43,8	40,8	26,1	23,1	22,3	19,3	19,4
200	27,6	40,8	37,8	22,0	19,0	13,2	10,2	18,0
250	31,1	39,3	36,3	20,0	17,0	8,3	5,3	17,3
300*	34,3	38,1	35,1	18,5	15,5	3,9	0,9	17,3
500*	45,3	34,8	31,8	14,0	11,0	---	---	17,3
600*	50,1	33,6	30,6	12,4	9,4	---	---	17,3

* For information only.

Note: Insertion loss values for 20°C.

Type U/UTP Category 5E Multipar



U/UTP CAT5E 25PR LSZH U/UTP CAT5E 25PR PVC



Jet/an5e+

STANDARDS

ANSI/TIA-568-C.2
IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM
1000BASE-T (Gigabit Ethernet)

REACTION TO FIRE

Class: D_{ca}-s2,d2,a1
E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs	Colours
1	White-Blue
2	White-Orange
3	White-Green
4	White-Brown
5	White-Grey
6	Red-Blue
7	Red-Orange
8	Red-Green
9	Red-Brown
10	Red-Grey
11	Black-Blue
12	Black-Orange
13	Black-Green
14	Black-Brown
15	Black-Grey
16	Yellow-Blue
17	Yellow-Orange
18	Yellow-Green
19	Yellow-Brown
20	Yellow-Grey
21	Violet-Blue
22	Violet-Orange
23	Violet-Green
24	Violet-Brown
25	Violet-Grey

Outer sheath colour:

- D_{ca}: White [WH]
- E_{ca}: Grey [GY]

PART NUMBER/PACKAGING

D_{ca}: 60080867 / Wooden Drum [WH]
E_{ca}: 60080855 / Wooden Drum [GY]

CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length
- 4 – Tape: Polyester above assembly
- 5 – Rip-cord: 1 longitudinal cord
- 6 – Sheath: LSZH material (for Euroclass D_{ca} cable)
- 6 – Sheath: PVC material (for Euroclass E_{ca} cable)

N. of pairs	Center	1 st Layer
25	Pair 25	6x4PR [Pairs (1 a 4) + (5 a 8) + (9 a 12) + (13 a 16) + (17 a 20) + (21 a 24)]

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc Resistance (Ω/km) @20°C: 95
Nom. Mutual Capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Characteristics Impedance (Ω): 1.0-100MHz 85-115
Propagation delay (ns@10MHz): max. 545
Delay Skew (ns/100m): max. 40
Min. Bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)
D _{ca}	13,5
E _{ca}	13,5

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	PS-NEXT dB (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	RL dB/100m (min.)
1*	2,1	62,3	61,0	20,0
4	4,1	53,3	49,0	23,0
8	5,8	48,8	42,9	24,5
16	8,3	44,2	36,9	25,0
20	9,3	42,8	35,0	25,0
25	10,4	41,3	33,0	25,0
31,25	11,7	39,9	31,1	23,6
62,5	17,0	35,4	25,1	21,5
100	22,0	32,3	21,0	20,1

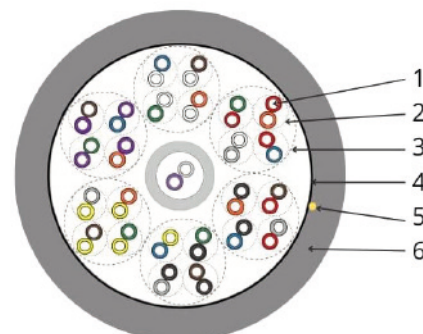
* For information only.

Note: Insertion loss values for 20°C.

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C, prior storage 24h at 20°C)

Note: DATA cables are not suitable for low impedance applications as: heating, lighting, etc...



Not at scale

Type F/UTP Category 5E Multipar



F/UTP CAT5E 25PR LSZH F/UTP CAT5E 25PR PVC



Jetlan5e+

STANDARDS

ANSI/TIA-568-C.2
IEC 61156-5
EN 50288-2-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

APPLICATIONS

10BASE-T (IEEE 802.3)
4/16 Mbps TOKEN RING (IEEE 802.5)
100BASE-VG-AnyLAN
100 Mbps TP-PMD (ANSI X3T9.5)
100BASE-T (IEEE 802.3)
55/155 Mbps ATM

REACTION TO FIRE

Class: E_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs	Colours
1	White-Blue
2	White-Orange
3	White-Green
4	White-Brown
5	White-Grey
6	Red-Blue
7	Red-Orange
8	Red-Green
9	Red-Brown
10	Red-Grey
11	Black-Blue
12	Black-Orange
13	Black-Green
14	Black-Brown
15	Black-Grey
16	Yellow-Blue
17	Yellow-Orange
18	Yellow-Green
19	Yellow-Brown
20	Yellow-Grey
21	Violet-Blue
22	Violet-Orange
23	Violet-Green
24	Violet-Brown
25	Violet-Grey

Outer sheath colour:

• E_{ca}: Grey [GY]

PART NUMBER/PACKAGING

E_{ca}: 573E255GRP / Wooden Drum [GY]

CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length
- 4 – Drain wire: Tinned Copper
- 5 – Foil: Aluminium Polyester
- 6 – Rip-cord: 1 longitudinal cord
- 7 – Sheath: PVC material (for Euroclass E_{ca} cable)

N. of pairs	Center	1 st Layer
25	Pair 25	6x4PR [Pairs (1 a 4) + (5 a 8) + (9 a 12) + + (13 a 16) + (17 a 20) + (21 a 24)]

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc Resistance (Ω/km) @20°C: 95
Nom. Mutual Capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Characteristics Impedance (Ω): 100-116
Propagation delay (ns@10MHz): max. 545
Delay Skew (ns/100m): max. 40
Min. Bending radius: 4x outer diameter

EuroClass	Approx. outer diameter (mm)
E _{ca}	13,7

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	PS-NEXT dB (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	RL dB/100m (min.)
1*	2,1	62,3	61,0	20,0
4	4,1	53,3	49,0	23,0
8	5,8	48,8	42,9	24,5
16	8,3	44,2	36,9	25,0
20	9,3	42,8	35,0	25,0
25	10,4	41,3	33,0	25,0
31,25	11,7	39,9	31,1	23,6
62,5	17,0	35,4	25,1	21,5
100	22,0	32,3	21,0	20,1

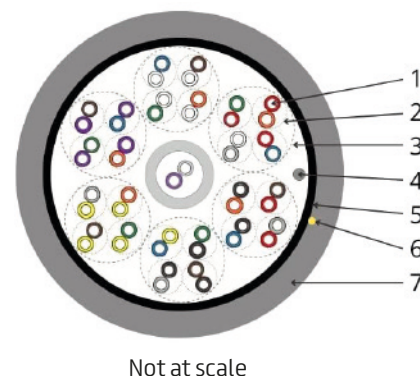
* For information only.

Note: Insertion loss values for 20°C.

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C, prior storage 24h at 20°C)

Note: DATA cables are not suitable for low impedance applications as: heating, lighting, etc...



Not at scale

Notes

[illegible]

Notes

[illegible]



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Draka
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