



Copper and Fibre Cabling Infrastructure Offering - Europe

Panduit Enterprise Network Cabling Solutions provide the industry’s most comprehensive portfolio of products and services that enable sustainable, energy-efficient enterprises for the European Community. Our innovative design features provide improved network reliability and flexibility, easy installation, and reduced maintenance costs.

Construction Products Regulation (CPR)

The new European Regulation for copper and fibre horizontal cable products entitled the Construction Products Regulation (CPR) becomes effective July 1, 2017. Panduit is prepared for the new Regulation allowing for a seamless transition for our customers. The new regulation replaces the current low smoke zero halogen (LSZH) standard.

Panduit has classified its current European portfolio of copper and fibre horizontal cables utilizing the approved Notified Bodies and therefore ensuring compliance to the requirements of the Construction Products Regulation (CPR).

The Regulation states that copper and fiber horizontal data cable products manufactured July 1, 2017 and onward must have a CE mark on the packaging as well as a Declaration of Performance (DoP) readily available to the user.

For product manufactured prior to July 1, 2017, the Regulation states that it is a responsibility of the manufacturer to have a DoP readily available as evidence of the product’s classification. The CE mark on the packaging is not required for product manufactured prior to July 1, 2017. Panduit began applying the CE mark to the product packaging beginning in April 2017 with total implementation occurring over the past three months. It is understood that a portion of product in the current supply chain may not have the CE mark, however the product will still comply with the Regulation.

What are the new standard classifications?

The CPR standardizes the flammability ratings of copper and fibre cables across Europe by rating the reaction to fire performance into EuroClasses. EuroClasses B2ca through Fca apply to communication cable.

	Euroclass (ca)	Classification criteria	Additional criteria	Attestation of conformity system
<i>"Non combustible"</i> <i>(e.g. unsheathed mineral insulated)</i>	A	EN ISO 1716 Gross heat of combustion		1+ - initial type-testing and continuous surveillance with audit testing of samples by 3rd party certification body -factory production control (FPC) by manufacturer
	B1 B2		Smoke production (s1a, s1b, s2, s3) EN50399/EN61034-2	
<i>"Low-Fire-Hazard"</i> <i>cables (various levels)</i>	C	EN 50399 Heat release Flame spread EN 60332-1-2 Flame propagation	Acidity (a1, a2, a3) EN50267-2-3 /EN60754-2	3- initial type-testing by 3rd party laboratory -FPC by manufacturer
	D		Flaming droplets (d0, d1, d2) EN50399	
<i>« Standard » cables</i>	E	EN 60332-1-2 Flame propagation		
<i>No performance determined</i>	F			4- initial type-testing and FPC by manufacturer

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What about the additional criteria?

The additional criteria are only applicable to EuroClass B2ca, Cca and Dca.

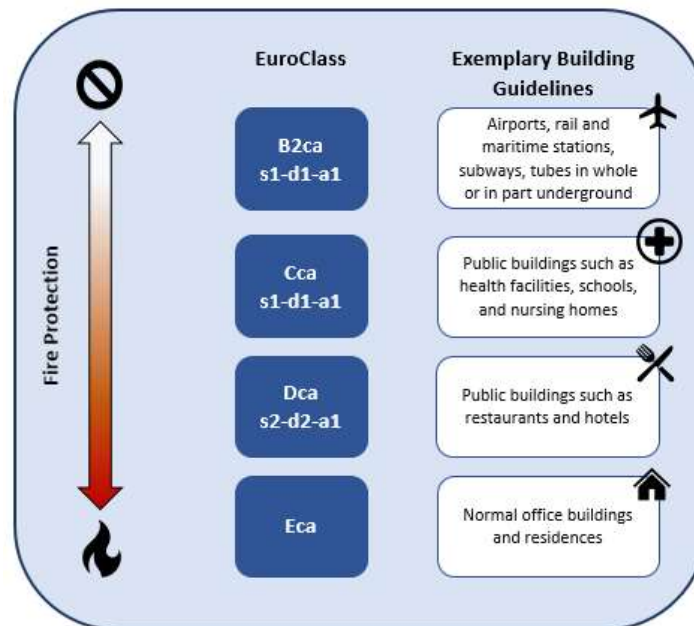
Smoke Production	
Amount of smoke and smoke density	
s1	TSP \leq 50 m ² and max. SPR \leq 0.25 m ² /s
s1a	s1 and transmission value per EN 61034-2 \geq 80%
s1b	s1 and transmission value per EN 61034 \geq 60% < 80%
s2	TSP \leq 400 m ² and max. SPR \leq 1.5 m ² /s
s3	Neither s1 nor s2

Flaming Droplets	
Droplets produced by burning cable	
d0	No flaming droplets/particles
d1	No flaming droplets/particles for longer than 10s
d2	Neither d0 nor d1

Acidity	
Level of acidity of smoke produced	
a1	Electrical conductivity < 2.5 μ S/mm and pH value > 4.3
a1	Electrical conductivity < 10 μ S/mm and pH value > 4.3
a3	Neither a1 nor a2. No data = no performance determined

Typical Applications (For Reference Only)

The CPR guidelines include specifications for the type of building locations that are appropriate for each EuroClass. Please note that it is the sole responsibility of local authorities for each EU member country to define which EuroClass is required in a specific location within a building structure. The following is simply an example of how the EuroClasses may be used. The final specification shall be determined by the specific country and where the cable is being installed.



Can I substitute a higher-level cable?

Yes! The CPR EuroClasses can be substituted. This means that a project requiring EuroClass Dca cables could also be completed using a higher-level cable, such as B2ca or Cca. The same is true with the additional Criteria; a cable with s1, d1, a1 rating can be used in place of an s2, d2, a2 requirement.

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Copper Cabling Infrastructure Offering

Category 5e Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
U/UTP					
PUL5504WH-EY	LSZH-1	Dca-s2-d2-a1	24	White	305m
PUZ5504WH-CEG	LSZH-3	Dca-s1a-d2-a1	24	White	305m
PUZ5504WH-CED	LSZH-3	Dca-s1a-d2-a1	24	White	500m
F/UTP					
PFC5504LG-KG	PVC	Eca	24	Light Gray	305m
PFL5504DG-KG	LSZH-1	Eca	24	Dark Gray	305m
Category 6 Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
U/UTP					
PUC6C04BU-CE	CM	Eca	24	Blue	305m
PUL6C04WH-KE	LSZH-1	Eca	24	White	305m
PUL6C04WH-KED	LSZH-1	Eca	24	White	500m
PUL6C04WH-CE	LSZH-1	Dca-s2-d2-a1	24	White	305m
PUD6C2804BU-CE	CM/LSZH-1/LSZH-3	Eca	28	Blue	305m
PUY6C04WH-CE	NA	Cca-s1a-d1-a1	24	White	305m
PUY6C04WH-CED	NA	Cca-s1a-d1-a1	24	White	500m
PUW6C04WH-CE	NA	B2ca-s1a-d1-a1	24	White	305m
PUW6C04WH-CED	NA	B2ca-s1a-d1-a1	24	White	500m
PUL6004WH-KE	LSZH-1	Dca-s2-d2-a1	23	White	500m
PUL6004WH-KED	LSZH-1	Dca-s2-d2-a1	23	White	500m
PUL6004WH-FE	LSZH-1	Dca-s2-d2-a1	23	White	305m
PUL6004WH-EY	LSZH-1	Dca-s2-d2-a1	23	White	305m
PUZ6004WH-CEG	LSZH-3	Dca-s1a-d2-a1	23	White	305m
PUZ6004WH-CED	LSZH-3	Dca-s1a-d2-a1	23	White	500m
F/UTP					
PFL6004DG-KD	LSZH-1	Eca	23	Dark Gray	500m
PFZ6C04DG-CED	LSZH-3	Dca-s2-d2-a1	23	Dark Gray	500m
PFY6C04WH-CED	NA	Cca-s1a-d1-a1	24	White	500m
S/FTP					
PSY6C04DG-CED	NA	Cca-s1a-d1-a1	23	Dark Gray	500m
SF/UTP					
PSFL6004DG-KD	LSZH-1	Eca	23	Dark Gray	500m
U/UTP OSP					
PUO6C04BL-CEG	OSP	Fca	23	Black	305m

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Category 6A Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
U/UTP					
PUC6AM04BU-CEG	CM	Eca	23	Blue	305m
PUL6A04WH-KEG	LSZH-1	Eca	23	White	305m
PUL6AM04WH-CEG	LSZH-1	Dca-s2-d2-a1	23	White	305m
PUZ6AM04BU-CEG	LSZH-3	Dca-s2-d2-a1	23	Blue	500m
PUL6ASD04WH-CED	LSZH-1	Dca-s2-d2-a1	26	White	500m
PUZ6ASD04WH-CED	LSZH-3	Dca-s2-d2-a1	26	White	500m
PUY6AM04WH-CEG	NA	Cca-s1b-d1-a1	23	White	305m
PUW6AM04WH-CEG	NA	B2ca-s1a-d1-a1	23	White	305m
F/UTP					
PFL6X04WH-CEG	LSZH-1	Dca-s2-d2-a1	23	White	305m
PFZ6X04WH-CEG	LSZH-3	Dca-s2-d2-a1	23	White	305m
PFZ6X04WH-CED	LSZH-3	Dca-s2-d2-a1	23	White	500m
PFY6X04WH-CED	NA	Cca-s1a-d1-a1	23	White	500m
F/UTP OSP					
PFO6X04BL-CEG	OSP	Fca	23	Black	305m
U/FTP					
PUFL6X04WH-KD	LSZH-1	Eca	23	White	500m
PUFZ6X04BU-KD	LSZH-3	Dca-s2-d1-a1	23	Blue	500m
PUFY6X04WH-HED	NA	Cca-s1-d1-a1	23	White	500m
F/FTP					
PFFL6X04WH-CED	LSZH-1	Dca-s2-d2-a1	23	White	500m
PFFY6X04WH-HED	NA	Cca-s1-d1-a1	23	White	500m
Category 7 Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
S/FTP					
PSL7004WH-KD	LSZH-1	Eca	23	White	500m
PSL7004WH-CED	LSZH-1	Dca-s1a-d1-a1	23	White	500m
PSW7004WH-HED	NA	B2ca-s1a-d1-a1	23	White	500m
S/FTP OSP					
PSO7004BL-KED	OSP	Eca	23	Black	500m
Category 7A Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
S/FTP					
PSL7A04WH-KD	LSZH-1	Dca-s2-d2-a1	23	White	500m
PSW7A04WH-HED	NA	B2ca-s1a-d1-a1	23	White	500m

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NetKey Copper Cabling Infrastructure Offering

NetKey Category 5e Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
U/UTP					
NUC5C04BU-CE	CM	Eca	24	Blue	305m
NUL5C04BU-CE	LSZH-1	Eca	24	Blue	305m
NetKey Category 6 Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
U/UTP					
NUC6C04BU-CE	CM	Eca	24	Blue	305m
NUC6CR04BU-CE	CM	Eca	24	Blue	305m
NUL6C04BU-KE	LSZH-1	Eca	24	Blue	305m
NUL6C04BU-CE	LSZH-1	Dca-s2-d2-a1	24	Blue	305m
NUL6CR04BU-CE	LSZH-1	Eca	24	Blue	305m
NUZ6C04BU-CE	LSZH-3	Dca-s1a-d2-a1	24	Blue	305m
NUZ6C04BU-KE	LSZH-1	Dca-s2-d2-a1	24	Blue	305m
NUY6C04WH-CE	NA	Cca-s1a-d1-a1	24	White	305m
NUW6C04WH-CE	NA	B2ca-s1a-d1-a1	24	White	305m
NetKey Category 6A Copper Cable					
Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
U/UTP					
NUL6X04WH-CEG	LSZH-1	Dca-s2-d2-a1	23	White	305m
NUY6X04WH-HEG	NA	Cca-s1a-d1-a1	23	White	305m
NUW6X04WH-HEG	NA	B2ca-s1a-d1-a1	23	White	305m
NUY6X04WH-CEG	NA	Cca-s1b-d1-a1	23	White	305m
NUW6X04WH-CEG	NA	B2ca-s1a-d1-a1	23	White	305m

Standard cable colors are noted. Please contact Panduit Customer Service for availability of other colors.

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Fibre Cabling Infrastructure Offering

Legacy Part	EuroClass	Description	EuroClass	Fibre Count
FPCL5**	FACC5**-14	OM2 50µm MM, I/O Central Tube	B2ca-s1a-d1-a1	4 - 24 fibre
FPCL6**	FACC6**-14	OM1 62.5µm MM, I/O Central Tube	B2ca-s1a-d1-a1	4 - 24 fibre
FPCL9**	FACC9**-14	OS2 9µm MM, I/O Central Tube	B2ca-s1a-d1-a1	4 - 24 fibre
FQCLX**	FACCX**-14	OM3 50µm MM, I/O Central Tube	B2ca-s1a-d1-a1	4 - 24 fibre
FQCLZ**	FACCZ**-14	OM4, 50µm MM, I/O Central Tube	B2ca-s1a-d1-a1	4 - 24 fibre
FPDL9**	FADC9**-37	OS2 9µm, SM, Indoor Distribution	DcaS1D1A1	4 - 24 fibre
FPDL5**	FADC5**-37	OM2 50µm, MM, Indoor Distribution	DcaS1D1A1	4 - 24 fibre
FPDL6**	FADC6**-37	OM1 62.5µm, Indoor Distribution	DcaS1D1A1	4 - 24 fibre
FQDLX**	FADCX**-37	OM3 50µm MM, Indoor Distribution	DcaS1D1A1	4 - 24 fibre
FQDLZ**	FADCZ**-37	OM4 50µm MM, Indoor Distribution	DcaS1D1A1	4 - 24 fibre
Legacy Part	EuroClass	Description	EuroClass	Fibre Count
FPCL5**	FACC5**-24	OM2 50µm MM, I/O Central Tube	Cca-s1a-d1-a1	4 - 24 fibre
FPCL6**	FACC6**-24	OM1 62.5µm MM, I/O Central Tube	Cca-s1a-d1-a1	4 - 24 fibre
FPCL9**	FACC9**-24	OS2 9µm, MM, I/O Central Tube	Cca-s1a-d1-a1	4 - 24 fibre
FQCLX**	FACCX**-24	OM3 50µm MM, I/O Central Tube	Cca-s1a-d1-a1	4 - 24 fibre
FQCLZ**	FACCZ**-24	OM4 50µm MM, I/O Central Tube	Cca-s1a-d1-a1	4 - 24 fibre
FPCL5**	FACC5**-40	OM2 50µm MM, I/O Central Tube	Eca	4 - 24 fibre
FPCL6**	FACC6**-40	OM1 62.5µm MM, I/O Central	Eca	4 - 24 fibre
FPCL9**	FACC9**-40	OS2 9µm SM, I/O Central Tube	Eca	4 - 24 fibre
FQCLX**	FACCX**-40	OM3 50µm MM, I/O Central Tube	Eca	4 - 24 fibre
FQCLZ**	FACCZ**-40	OM4 50µm MM, I/O Central Tube	Eca	4 - 24 fibre
Legacy Part	EuroClass	Description	EuroClass	Fibre Count
FPNL9**	FANC9**-40	OS2 9µm SM, I/O Stranded Tube	Eca	36 - 144 fibre
FPNL5**	FANC5**-40	OM2 50µm MM, I/O Stranded	Eca	36 - 144 fibre
FPNL6**	FANC6**-40	OM1 62.5µm MM, I/O Stranded	Eca	36 - 144 fibre
FQNLX**	FANCX**-40	OM350µm MM, I/O Stranded	Eca	36 - 144 fibre
FQNLZ**	FANCZ**-40	OM4 50µm MM, I/O Stranded	Eca	36 - 144 fibre
Legacy Part	EuroClass	Description	EuroClass	Fibre Count
FPKL5**	FAKC5**-40	OM2 50µm MM, I/O Tight Buffered	Eca	2 - 12 fibre
FPKL6**	FAKC6**-40	OM1 62.5µm MM, I/O Tight Buffered	Eca	2 - 12 fibre
FPKL9**	FAKC9**-40	OS2 9µm SM, I/O Tight Buffered	Eca	2 - 12 fibre
FQKLX**	FAKCX**-40	OM3 50µm MM, I/O Tight Buffered	Eca	2 - 12 fibre
FQKLZ**	FAKCZ**-40	OM4 50µm MM, I/O Tight Buffered	Eca	2 - 12 fibre

B2ca-s1-d1-a1 and Cca-s1-d1-a1 fibre cables are targeted for availability in 4Q2017

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Zone Cord Infrastructure Offering

Part Number	Cable Type	Flammability Rating	EuroClass	Preferred Color(s)	Lengths Offered
Plug to Plug Offering					
UPDBU*M	Cat 6; U/UTP; 24 AWG	NA	Cca-s1a-d1-a1	White	10m – 60m
UPLBU*M	Cat 6; U/UTP; 23 AWG	LSZH-1	Dca-s2-d2-a1	Blue	10m – 60m
UZPDWH*M	Cat 6A; U/UTP; 23 AWG	NA	Cca-s1-d1-a1	White	10m – 60m
UZPLWH*M	Cat 6A; U/UTP; 23 AWG	LSZH-1	Dca-s2-d2-a1	White	10m – 60m
SAPLWH*M	Cat 6A; F/UTP; 23 AWG	LSZH-1	Dca-s2-d2-a1	White	10m – 60m
Plug to Jack Offering					
UJDBU*MBL	Cat 6; U/UTP; 24 AWG	NA	Cca-s1a-d1-a1	White	10m – 60m
UJLBU*MBL	Cat 6; U/UTP; 23 AWG	LSZH-1	Dca-s2-d2-a1	Blue	10m – 60m
UZJDWH*M	Cat 6A; U/UTP; 23 AWG	NA	Cca-s1-d1-a1	White	10m – 60m
UZPLWH*MBL	Cat 6A; U/UTP; 23 AWG	LSZH-1	Dca-s2-d2-a1	White	10m – 60m
SAJLWH*MBL	Cat 6A; F/UTP; 23 AWG	LSZH-1	Dca-s2-d2-a1	White	10m – 60m

*- Length Variations. Please contact Panduit Customer Service for availability of other colors and lengths

Copper QuickNet Trunk Assembly Offering

QuickNet P/N Prefix	Cable Part Number	Flammability Rating	EuroClass	AWG	Preferred Color
Category 5e U/UTP Copper Cable					
QDL*	PUL5504WH-EY	LSZH-1	Dca-s2-d2-a1	24	White
Category 6 U/UTP Copper Cable					
QCL*	PUL6004WH-EY	LSZH-1	Dca-s2-d2-a1	23	White
QCY*	PUY6004WH-HED	NA	Cca-s1a-d1-a1	23	White
Category 6 F/UTP Copper Cable					
QLL*	PFL6004DG-KD	LSZH-1	Eca	23	Dark Gray
Category 6 S/FTP Copper Cable					
QMY*	PSY6C04WH-CE*	NA	Cca-s1a-d1-a1	23	White
Category 6A U/UTP Copper Cable					
QKY*	PUY6X04WH-HE*	NA	Cca-s1a-d1-a1	23	White
QZL*	PUL6AM04WH-CE*	LSZH-1	Dca-s2-d2-a1	23	White
QXL*	PUL6ASD04WH-CE*	LSZH-1	Dca-s2-d2-a1	26	White
QZY*	PUY6AM04WH-CE*	NA	Cca-s1a-d1-a1	23	White
Category 6A U/FTP Copper Cable					
QTL*	PUFL6X04WH-KD	LSZH-1	Eca	23	White
Category 6A F/FTP Copper Cable					
QOY*	PFFY6X04WH-HE*	NA	Cca-s1a-d1-a1	23	White
Category 7 S/FTP Copper Cable					
QHL*	PSL7004WH-KD	LSZH-1	Eca	23	White
QHW*	PSW7004WH-HE*	NA	B2ca-s1a-d1-a1	23	White

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Industrial Cable Offering

Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
Category 5e Industrial SF/UTP Copper Cable					
ISFX5502ARD-LED	Flame Retardant, Halogen Free	Eca	24	Red	500m
ISFX5502ATL-LED	Flame Retardant, Halogen Free	Eca	24	Teal	500m
ISFCH5C04ABL-XG	CM/CMX UL1685	Fca	24	Black	1000ft
ISFCH5C04ABU-XG	CM/CMX UL1685	Fca	24	Blue	1000ft
ISFCH5C04AGY-XG	CM/CMX UL1685	Fca	24	Gray	1000ft
ISFCH5C04ARD-XG	CM/CMX UL1685	Fca	24	Red	1000ft
ISFCH5C04ATL-XG	CM/CMX UL1685	Fca	24	Teal	1000ft
ISFCH5C04AYL-XG	CM/CMX UL1685	Fca	24	Yellow	1000ft
ISFCH5C02ABL-XG	CM/CMX UL1685	Fca	24	Black	1000ft
ISFCH5C02ABU-XG	CM/CMX UL1685	Fca	24	Blue	1000ft
ISFCH5C02AGY-XG	CM/CMX UL1685	Fca	24	Gray	1000ft
ISFCH5C02ARD-XG	CM/CMX UL1685	Fca	24	Red	1000ft
ISFCH5C02ATL-XG	CM/CMX UL1685	Fca	24	Teal	1000ft
ISFCH5C02AYL-XG	CM/CMX UL1685	Fca	24	Yellow	1000ft
Category 5e Industrial U/UTP Copper Cable					
IUC5C04ABL-CEG	CM UL1685	Fca	24	Black	1000ft
IFC5C04BBL-CEG	CM UL1685	Fca	26	Black	1000ft
Category 6 Industrial S/FTP Copper Cable					
ISX6004ARD-LED	Flame Retardant, Halogen Free	Eca	24	Red	500m
ISX6004AYL-LED	Flame Retardant, Halogen Free	Eca	24	Yellow	500m
Category 6 Industrial U/UTP Copper Cable					
IUC6C04ABL-CEG	CM UL1685	Fca	24	Black	1000ft
Category 6 Industrial F/UTP Copper Cable					
IFC6C04BBL-CEG	CM UL1685	Fca	24	Black	1000ft

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