



Copper and Fibre Cabling Infrastructure Offering Europe

Panduit Enterprise Network Cabling Solutions

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.

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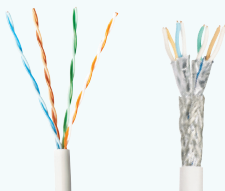


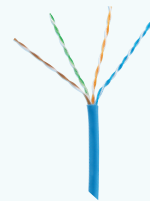
Copper Cabling

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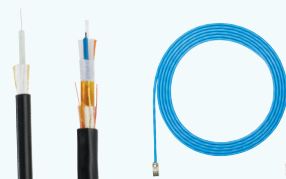
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Construction Products Regulation (CPR)

The new European Regulation for copper and fibre horizontal cable products entitled the Construction Products Regulation (CPR) became 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. 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
“Non combustible” (e.g. unsheathed mineral insulated)	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	EN 50399 Heat release flame spread	Smoke production (s1a, s1b, s2, s3) EN 50399/EN 61034-2	
	B2			
	C	EN 60332-1-2 Flame propagation	Acidity (a1, a2, a3) EN 50267-2-3/ EN60754-2	3-Initial type-testing by 3rd party laboratory - FPC by manufacturer
	D		Flaming droplets (d0, d1, d2) EN 50399	
“Low-Fire-Hazard” cables (various levels)	E	EN 60332-1-2 Flame propagation		
“Standard” cables	F			4-Initial type-testing and FPC by manufacturer
No performance determined				

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		Flaming Droplets Droplets produced by burning cable		Acidity Level of acidity of smoke produced	
s1	TSP $\leq$ 50 m ² and max. SPR $\leq$ 0.25 m ² /s	d0	No flaming droplets/ particles	a1	Electrical conductivity < 2.5 μ S/mm and pH value > 4.3
s1a	s1 and transmission value per EN 61034-2 $\geq$ 80%	d1	No flaming droplets/ particles for longer than 10s	a2	Electrical conductivity < 10 μ S/mm and pH value > 4.3
s1b	s1 and transmission value per EN 61034 $\geq$ 60% < 80%	d2	Neither d0 nor d1	a3	Neither a1 nor a2
s2	TSP $\leq$ 400 m ² and max. SPR $\leq$ 1.5 m ² /s				
s3	Neither s1 nor s2				

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.

 Fire Protection	Euroclass (ca)	Exemplary Building Guidelines
	B2ca s1-d1-a1	Airports, rail and maritime stations, subways, tubes in whole or in part underground 
	Cca s1-d1-a1	Public buildings such as health facilities, schools, and nursing homes 
	Dca s2-d2-a1	Public buildings such as restaurants and hotels 
	Eca	Normal office buildings and residences 

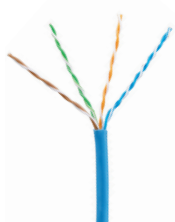
Can I substitute a higher-level cable?

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.

Copper Cabling Infrastructure Offering



PUL5504WH-EY



PUD6C2804BU-CE



PUZ6004WH-CEG



PUO6C04BL-CEG

Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
Category 3 Copper Cable					
U/UTP MultiPair (25 pair)					
PUL3025WH-A	LSZH-1	Dca-s2-d2-a1	24	White	305m
Category 5e Copper Cable					
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					
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	N/A	Cca-s1a-d1-a1	24	White	305m
PUY6C04WH-CED	N/A	Cca-s1a-d1-a1	24	White	500m
PUY6004WH-HE	LSZH-1	Cca-s1a-d1-a1	23	White	305m
PUY6004WH-HED	LSZH-1	Cca-s1a-d1-a1	23	White	500m
PUW6C04WH-CE	N/A	B2ca-s1a-d1-a1	24	White	305m
PUW6C04WH-CED	N/A	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
PFZ6C04WH-CED	LSZH-3	Dca-s2-d2-a1	23	White	500m
PFY6C04WH-CED	N/A	Cca-s1a-d1-a1	24	White	500m
S/FTP					
PSY6C04DG-CED	N/A	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

Please contact Panduit Customer Service for availability of other colors.

Copper Cabling Infrastructure Offering



PFL6X04WH-CEG



PFFL6X04WH-CED
PFFY6X04WH-HED

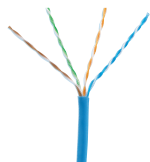


PSL7004WH-KD
PSW7004WH-HED

Part Number	Flammability Rating	EuroClass	AWG	Preferred Color	Length
Category 6A Copper Cable					
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
PUL6X04WH-HEG	LSZH-1	Dca-s2-d2-a2	23	White	305m
PUY6X04WH-HEG	LSZH-1	Cca-s1a-d1-a1	23	White	305m
PUY6X04WH-HED	LSZH-1	Cca-s1a-d1-a2	23	White	500m
PUY6AM04WH-CEG	N/A	Cca-s1b-d1-a1	23	White	305m
PUW6AM04WH-CEG	N/A	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	N/A	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	N/A	Cca-s1-d1-a1	23	White	500m
F/FTP					
PFFL6X04WH-CED	LSZH-1	Dca-s2-d2-a1	23	White	500m
PFFY6X04WH-HED	LSZH-1	Cca-s1a-d1-a1	23	White	500m
Category 7 Copper Cable					
S/FTP					
PSL7004WH-KD	LSZH-1	Eca	23	White	500m
PSL7004WH-CED	LSZH-1	Dca-s1a-d1-a1	23	White	500m
PSW7004WH-HED	N/A	B2ca-s1a-d1-a1	23	White	500m
S/FTP OSP					
PSO7004BL-KED	OSP	Eca	23	Black	500m
Category 7A Copper Cable					
S/FTP					
PSL7A04WH-KD	LSZH-1	Dca-s2-d2-a1	23	White	500m
PSW7A04WH-HED	N/A	B2ca-s1a-d1-a1	23	White	500m

Please contact Panduit Customer Service for availability of other colors.

NetKey™ Cabling Infrastructure Offering



NUL5c04BU-CE



MaTriX Cable

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

Please contact Panduit Customer Service for availability of other colors.

Fibre Cabling Infrastructure Offering



Legacy Part	EuroClass Part	Description	EuroClass	Fibre Count
Indoor 900um Tight Buffered Cable				
FPDL9**	FADC9**-37	9um SM Ind Tight Buffer	Dca-s2-d2-a1	4-24 Fibre
FPDL5**	FADC5**-37	50um OM2 Ind Tight Buffer	Dca-s2-d2-a1	4-24 Fibre
FPDL6**	FADC6**-37	62.5um OM1 Ind Tight Buffer	Dca-s2-d2-a1	4-24 Fibre
FQDLX**	FADCX**-37	50um OM3 Ind Tight Buffer	Dca-s2-d2-a1	4-24 Fibre
FQDLZ**	FADCZ**-37	50um OM4 Ind Tight Buffer	Dca-s2-d2-a1	4-24 Fibre
Indoor-Outdoor 900um Tight Buffered Cable				
FPKL9**	FAKC9**-40	9um SM I/O Tight Buffer	Eca	2-96 Fibre
FPKL5**	FAKC5**-40	50um OM2 I/O Tight Buffer	Eca	2-96 Fibre
FPKL6**	FAKC6**-40	62.5um OM1 I/O Tight Buffer	Eca	2-96 Fibre
FQKLX**	FAKCX**-40	50um OM3 I/O Tight Buffer	Eca	2-96 Fibre
FQKLZ**	FAKCZ**-40	50um OM4 I/O Tight Buffer	Eca	2-96 Fibre
Indoor-Outdoor 250um Central Tube Cable				
FPCL9**	FACC9**-14	9um SM I/O Central Tube	B2ca-s1a-d1-a1	4-24 Fibre
FPCL5**	FACC5**-14	50um OM2 I/O Central Tube	B2ca-s1a-d1-a1	4-24 Fibre
FPCL6**	FACC6**-14	62.5um OM1 I/O Central Tube	B2ca-s1a-d1-a1	4-24 Fibre
FQCLX**	FACCX**-14	50um OM3 I/O Central Tube	B2ca-s1a-d1-a1	4-24 Fibre
FQCLZ**	FACCZ**-14	50um OM4 I/O Central Tube	B2ca-s1a-d1-a1	4-24 Fibre
FPCL9**	FACC9**-24	9um SM I/O Central Tube	Cca-s1a-d1-a1	4-24 Fibre
FPCL5**	FACC5**-24	50um OM2 I/O Central Tube	Cca-s1a-d1-a1	4-24 Fibre
FPCL6**	FACC6**-24	62.5um OM1 I/O Central Tube	Cca-s1a-d1-a1	4-24 Fibre
FQCLX**	FACCX**-24	50um OM3 I/O Central Tube	Cca-s1a-d1-a1	4-24 Fibre
FQCLZ**	FACCZ**-24	50um OM4 I/O Central Tube	Cca-s1a-d1-a1	4-24 Fibre
FPCL9**	FACC9**-37	9um SM I/O Central Tube	Dca-s2-d2-a1	4-24 Fibre
FPCL5**	FACC5**-37	50um OM2 I/O Central Tube	Dca-s2-d2-a1	4-24 Fibre
FPCL6**	FACC6**-37	62.5um OM1 I/O Central Tube	Dca-s2-d2-a1	4-24 Fibre
FQCLX**	FACCX**-37	50um OM3 I/O Central Tube	Dca-s2-d2-a1	4-24 Fibre
FQCLZ**	FACCZ**-37	50um OM4 I/O Central Tube	Dca-s2-d2-a1	4-24 Fibre
Indoor-Outdoor 250um Stranded Tube Cable				
FPNL9**	FANC9**-40	9um SM I/O Stranded Tube	Eca	36-96 Fibre
FPNL5**	FANC5**-40	50um OM2 I/O Stranded Tube	Eca	36-96 Fibre
FPNL6**	FANC6**-40	62.5um OM1 I/O Stranded Tube	Eca	36-96 Fibre
FQNLX**	FANCX**-40	50um OM3 I/O Stranded Tube	Eca	36-96 Fibre
FQNLZ**	FANCZ**-40	50um OM4 I/O Stranded Tube	Eca	36-96 Fibre

Zone Cord Infrastructure Offering



UPLBU*M

Part Number	Cable Type	Flammability Rating	EuroClass	Preferred Color(s)	Lengths Offered
Plug to Plug Offering					
UPDBU*M	Cat 6; U/UTP; 24 AWG	N/A	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	N/A	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	N/A	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	N/A	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



PUR6004BU-W

Copper QuickNet™ Trunk Assembly Offering

QuickNet Part Number Prefix	Cable Part Number	Flammability Rating	EuroClass	AWG	Preferred Color(s)
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	N/A	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*	N/A	Cca-s1a-d1-a1	23	White
Category 6A U/UTP Copper Cable					
QKY*	PUY6X04WH-HE*	N/A	Cca-s1a-d1-a1	23	White
QZL*	PUL6AM04WH-CE*	LSZH-1	Dca-s2-d2-a1	23	White
QZY*	PUY6AM04WH-CE*	N/A	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*	N/A	Cca-s1a-d1-a1	23	White
Category 7 S/FTP Copper Cable					
QHL*	PSL7004WH-KD	LSZH-1	Eca	23	White
QHW*	PSW7004WH-HE*	N/A	B2ca-s1a-d1-a1	23	White

Please contact Panduit Customer Service for availability of other colors.



PFL6004DG-KD



PFFY6X04WH-HE*



PSL7004WH-KD
PSW7004WH-HE*

Industrial Cable Offering



ISFCH5C04ABU-XG



ISFCH5C04ATL-XG



ISFCH5C02ATL-XG



IUC5C04ABL-CEG



IFC5C04BBL-CEG

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

Please contact Panduit Customer Service for availability of other colors.

Preferred Parts

Part Number	Cable Type	Preferred Color(s)	Lengths Offered
NUC6C04BU-CE	Eca CM NetKey Cat 6 unshielded	Blue	305m
NUL6C04BU-KE	Eca, NetKey Cat 6 unshielded	Blue	305m
NUZ6C04BU-KE	Dca, NetKey Cat 6 unshielded	Blue	305m
NUZ6C04WH-KE	Dca, NetKey Cat 6 unshielded	White	305m
NUY6C04BU-CE	Cca, NetKey Cat 6 unshielded	Blue	305m
NUL6X04BU-HEG	Dca, NetKey Cat 6A unshielded	Blue	305m
NUY6X04BU-HEG	Cca, NetKey Cat 6A unshielded	Blue	305m
PUL6004WH-FE (today is EY)	Dca, PanNet Cat 6 enhanced unshielded	White	305m
PUY6004WH-HE	Cca, PanNet Cat 6 enhanced unshielded	White	305m
PUY6X04WH-HEG	Cca, PanNet Cat 6A unshielded	White	305m
PUL6AM04WH-CEG	Dca, PanNet Cat 6A unshielded (migrate to Gen 4)	White	305m
PUY6AM04WH-CEG	Cca, PanNet Cat 6A unshielded (migrate to Gen 4)	White	305m
PUFY6X04WH-HED	Cca, PanNet Cat 6A U/FTP	White	500m
PFFY6X04WH-HED	Cca, PanNet Cat 6A F/FTP	White	500m
PSW7004WH-HED	B2ca, PanNet Cat 7 S/FTP	White	500m

PANDUIT™

Panduit Europe Ltd.
Westgate, Westworld
W5 1UD
London
United Kingdom

EMEA-CustomerServices@panduit.com

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