PCT60SF

Networking cable - CAT6A - S/FTP - flex 0.22 mm² - 24 AWG - DuraFlex™

Highlights:

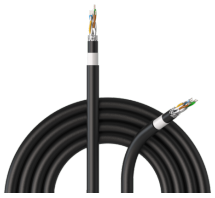
- Flexible PVC jacket
- Duraflex™ extremely robust PUR jacket
- Double extrusion for flexible & solid feel

Product information:

The PCT60SF is a CAT6A networking cable specifically designed for the growing number of digital applications in the professional AV industry. Unlike any other CAT6A cable available on the market, the PCT60SF features Duraflex™ outer jacket constructed using a double-extrusion technique with a polyurethane outer and PVC inner jacket.

The polyurethane outer jacket offers excellent resistance against mechanical wear due to pulling, bending, cracking and UV exposure, while the PVC inner jacket keeps it easy to handle. The conductor section consists of 4 individually shielded pairs of stranded 24 AWG conductors which guarantee optimal signal transmission while the combination of individual aluminum foil shielding surrounded by a tinned copper wire braiding offers high immunity to noise and interference caused by external devices. The PCT60SF supports 10Base-T, 100Base-TX, 1000Base-T and 10GBase-T gigabit networks.





Properties:



Product Features:

Application	Rental & MI
Series	Bulk & Accessories

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

Physical Characteristics:

Type of cable			S/FTP CAT6A Networking cable
Inner conductor	Material		BC 7 x 0.2 mm (Ø) (OFC)
	Section		0.00034 “²
	Insulation	Material	Foamed PE 1.32 mm Ø
		Colours	Green / White & Green ; Blue / White & Blue ; Orange / White & Orange ; Brown / White & Brown
	Number of conductors		8 (4 pairs)
Inner jacket	Material		PVC 7.2 mm (Ø)
Inner conductor	American Wire Gauge		24 AWG
	Shielding	Aluminium foil	Aluminium foil 100% coverage - 25% Overlap
Overall shielding	Braiding		TC 16 x 12 x 0.08 mm (Ø) (OFC)
Outer jacket	Material		PUR 8.7 mm (Ø)
	Colours		Black

Standards & regulations:

RoHS2 compliant	According EU Directive 2011/65/EU
Reach compliant	According EC 1907/2006
Flammability test	According IEC 60332-1
Indoor / outdoor	Indoor & outdoor
Cabling standard	ISO/IEC11801
	IEC61156
	UL444
	ANSI TIA-EIA 568C.2

Electrical Characteristics:

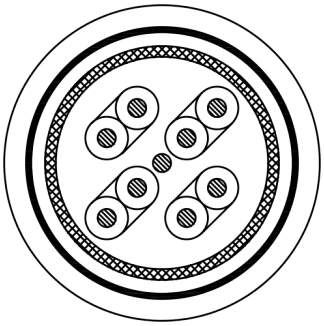
Max. conductor	DC resistance	95 (Ω / Km)
	DC resistance unbalanced	2 %
Max. Delay / Skew		45 (ns / 3937.0079 ")
Rated voltage		72 V
Nom. Velocity of propagation		70 %
Nom. mutual capacitance		≤ 5.6 (nF / 100 m)
Pair to ground capacitance unbalance		≤ 160 (pF / 100 m)

Mechanical Characteristics:

Temperature range	Fixed installation	- 20 °C till + 75 °C
	Mobile installation	- 15 °C till + 60 °C
Bending radius	Fixed installation	8 x outer diameter
	Mobile installation	4 x outer diameter

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Cross sections:



Variants:

- PCT60SF/1 - 100 m plastic reel
- PCT60SF/3 - 300 m plastic reel

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