

## Highlights:

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

## Product information:

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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:

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## Product Features:

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|             |                    |
|-------------|--------------------|
| Application | Rental & MI        |
| Series      | Bulk & Accessories |

## 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:

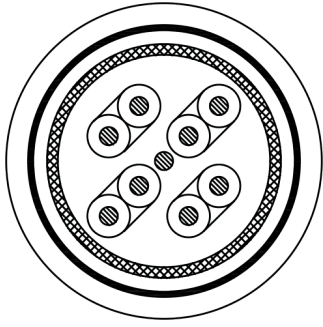
|                                      |                          |                       |
|--------------------------------------|--------------------------|-----------------------|
| Max. conductor                       | DC resistance            | 95 (Ω / Km)           |
|                                      | 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   |

## Cross sections:

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## Variants:

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