

4X6 AWG + 4X(2X24AWG FTP) OBS PE HYBRID & COMPOSITE CABLES P/N 9844471101

DEFENSE

Applications

Indoor and outdoor, Fixed or portable installation, Control and audio applications



Outer Jacket Material
FR-PO



Outer diameter
22.5 mm nom.



Weight
880 kg/km



General Construction

The cable contains:

4 - 24 AWG Flame retardant PolyOlefin (FR-PO) insulated twisted pairs individually Aluminum/Polyester foil shielded with a drain wire underneath.

4 - 6 AWG FR-PO insulated cores

All components are cabled together, overall TC braid shielded and jacketed with a FR-PO compound.

Design & Materials

Detailed Construction

Basic Wires:

24 AWG Wires:

Conductor: Stranded tinned copper, 19x0.127 mm, 24 AWG.

Insulation: FR-PO 1.14 mm nom., -30°C to 80°C .

Total number of wires: 8.

Color Code: Black (4), Red, White, Green, Blue.

Total number of twisted pairs :4 (Black x Red, Black x White, Black x Green, Black x Blue).

DC Resistance: 86.5 Ohm/Km max. @20°C.

6 AWG Wires:

Conductor: Stranded tinned copper, 133x0.36 mm, 6 AWG.

Insulation: FR-PO 7.4 mm nom., -30°C to 80°C.

Total number of wires: 4.

Color Code: Black, Red, White, Blue.

DC Resistance: 1.5 Ohm/Km max. @20°C.

| | |
|----------------------------|------------------------|
| Drain-Wire 1 Material | Annealed Tinned Copper |
| Drain-Wire 1 Construction | Stranded |
| Overall Shield Design | Braid |
| Overall Shield Material | Tinned-copper braid |
| Overall Braid Shield | Yes |
| Overall Braid Material | Annealed Tinned Copper |
| Braid Coverage (% nom) | 85 |
| Total Number Of Conductors | 16 |
| Rip-Cord | Yes |

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| | |
|---------------------------------|-------------|
| Outer Jacket Thickness (mm nom) | 1.8 |
| Outer Jacket Color | Black |
| Marking | Per request |

Performance

| | |
|---------------------------------|------|
| Dielectric Strength (V/minute) | 1500 |
| Voltage Rating (V) | 300 |
| Min. Bend Radius (mm) | 135 |
| Min. Operating Temperature (°C) | -30 |
| Max. Operating Temperature (°C) | +80 |
| UV Resistance | Yes |

Standards

Flammability Rating
IEC 60332-1

Applicable Standards
RoHS 3 2015/863/EU



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