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
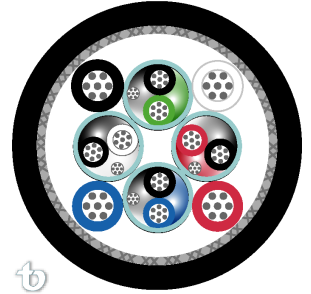
Outer Jacket Material	Outer diameter	Weight
FR-PO	22.5 mm nom.	880 kg/km

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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