



Reference: 10580440

CONTACT

Market information
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Servo cables with enhanced performance, for dynamic applications, PVC jacket, shielded, resistant to oils, flame retardant.

STANDARDS

Product UL and CSA approval

UL recognised / CSA
UL AWM 90°C, 1000V
CSA AWM I/II A/B 90°C, 1000V

Oil resistance
High resistance

Flame retardant
EN 60332-1-3, CSA FT1, UL 1581

DESIGN

Conductor
Bare copper class 6

Core insulation
XLPE

Core stranding
Power cores stranded with fillers

Core identification
Power:
U/L1/C/L+; V/L2; W/L3/D/L-; GN/YE;
Signal: Black + White

Shield
Total shield:
Tinned copper braid, coverage ≥ 80%

Pairs shield:
Tinned copper braid, coverage ≥ 80%

Jacket
PVC

Colour:
Orange RAL 2003



Operating temp.
-15 ... 90 °C



Storage temperature, range
-20 ... 90 °C



Oil resistance
EN 50363-4-1



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1

CHARACTERISTICS

Construction characteristics

Construction type	(4G2.5 + (2x1.5)C)
Conductor material	Bare copper class 6
Insulation	XLPE
Insulation colour	Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/GN; Signal: Black - White
Lay Up	power cores and control pairs stranded with filler
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PVC
Sheath colour	Orange RAL 2003

Dimensional characteristics

Nominal outer diameter	13.4 mm
Copper content	204 kg/km
Approximate weight	283 kg/km

Electrical characteristics

Rated Voltage U _o /U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Maximum acceleration	15 m/s ²
Bending cycles	5 Mio.
Speed	180 m/min

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 90 °C
Storage temperature, range	-20 ... 90 °C
Oil resistance	EN 50363-4-1
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1