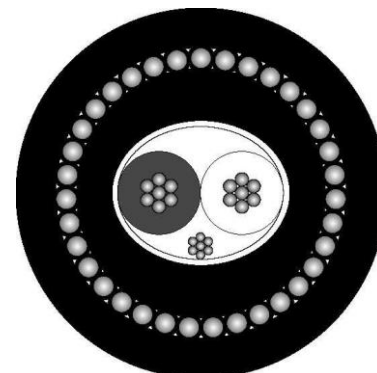


Flame retardant armoured instrumentation cable	ST/1311/18 Rev.0	12/11/2017
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FB-XLPE/OS/PVC/SWA/PVC – 300/500 V

Overall screen

Suitable for standard FIELDBUS FOUNDATION- PROFIBUS PA



Cable construction

Conductors	: stranded plain annealed copper wires (7 wires)
Insulation	: XLPE
Insulation colours	: orange – blue
Cabling	: the insulated cores are twisted to form a pair
Wrapping	: polyester tape
Overall screen	: aluminium backed polyester tape, aluminium in continuous contact with stranded tinned copper drain wire, size 0.5 mm ²
Binder	: polyester tape
Inner sheath	: PVC
Armour	: single layer of galvanized steel wires
Outer sheath	: PVC
Outer sheath colour	: blue or grey
Printed marking	: CAVICEL ITALY – P/N – n°of pairs x size AWG – 300/500 V – BATCH *****/**

Cable configuration

P/N	N° of pairs x Size [AWG]	Under armour diameter ± 10% [mm]	Nom. outer diameter ± 10% [mm]	Approx,Net Weight [kg/km]
103311	1x2x18	7.6	12.4	270

Mechanical and installation characteristics

Operating temperature (after installation)	-20°C ÷ +80°C
Operating temperature (during installation)	-5°C ÷ +65°C
Bending radius at minimum installation temperature	12 times the outer diameter (mm)

Electrical characteristics

Voltage rating	300/500 V r.m.s.
Dielectric test	2000 V r.m.s. for 1' (core – core) 1000 V r.m.s. for 1' (core – screen)
Conductors resistance (Loop)	≤ 44 Ohm/km (at 20°C in d.c.)
Insulation resistance	≥ 1000 Mohm x km (at 20°C)
Characteristic impedance (at 31.25 kHz)	100 (±20%) ohm

General standards

For the construction	EN 50288-7 (as far as applicable)
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Behaviour under fire conditions

Flame retardant	IEC 60332-1-2
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