Instrumentation Cable

Multi Triples, Individual&Collective Screen, Steel Wire Armoured, PVC Sheathed

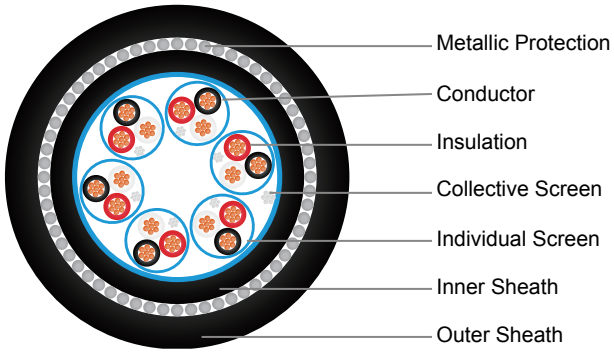
EN50288-7

300 V

Application

Suitable for connecting instruments and control systems for analogue or digital signal transmission.
Recommended for outdoor installation, on racks, trays, in conduits, in dry and wet locations, for direct burial.

Construction



Conductor:	Solid, stranded or flexible plain or metal coated copper in accordance with class1, 2 or 5 of HD383 in the range of 0.5mm^2 to 1.5mm^2.
Insulation:	PE, PVC or XLPE to EN 50290. Suitable alternative materials are under consideration.
Triple Identification:	Black&White&Red color with number on the cores for multi triples, start with 1 in the centre.
Individual Screen:	Aluminimum foil tape over a tinned copper drain wire.
Wrapping:	At least 1 layer of plastic tape.
Collective Screen:	Aluminimum foil tape over a tinned copper drain wire.
Inner Sheath:	Polyvinyl chloride PVC, to EN 50290-2-22.
Metallic Protection:	Round galvanised steel wires armour.
Outer Sheath:	Polyvinyl chloride PVC, to EN 50290-2-22.

Electrical data at 20°C

	Character	Unit	Values			
Conductor size	nom.	mm²	0.5	0.75	1.0	1.5
Conductor resistance	max.	Ω/km	36.7	25.0	18.5	12.3
Insulation resistance PVC Insulation PE/XLPE Insulaiton	 min. min.	 MΩ x km MΩ x km	 100 5000			
L/R (ratio)	max.	μH/Ω	25			40
Inductance	max.	mH/km	1			
Mutual capacitance PVC Insulation PE/XLPE Insulation	 max. max.	 nF/m nF/m	 190 115			200 115
Capacitance unbalance	max.	pF/500 m	500			
Test voltage		V	1500			
Operating voltage U_0 / U	max.	V	300			