

Instrumentation Cable

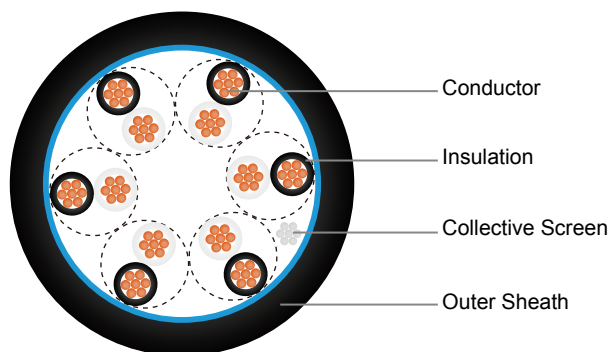
Single & Multi Pair, Collective Screen, LSZH Sheathed
Halogen-free, Flame Retardant Types

EN50288-7
300 V

Application

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

Construction



- Conductor: Solid, stranded or flexible plain or metal coated copper in accordance with class 1, 2 or 5 of HD383 in the range of 0.5mm² to 1.5mm².
- Insulation: PE or XLPE to EN 50290. Suitable alternative materials are under consideration.
- Pair Identification: Black&White color with number on the cores for multi pairs, start with 1 in the centre.
- Wrapping: At least 1 layer of plastic tape.
- Collective Screen: Aluminium foil tape over a tinned copper drain wire.
- Outer Sheath: Halogen free flame retardant compound LSZH, to EN 50290-2-27.

Electrical data at 20°C

	Character	Unit	Values			
			0.5	0.75	1.0	1.5
Conductor size	nom.	mm ²	0.5	0.75	1.0	1.5
Conductor resistance	max.	Ω/km	36.7	25.0	18.5	12.3
Insulation resistance	min.	MΩ x km	5000			
L/R (ratio)	max.	μH/Ω	25			40
Inductance	max.	mH/km	1			
Mutual capacitance	max.	nF/m	75			85
Capacitance unbalance	max.	pF/500 m	500			
Test voltage		V	1500			
Operating voltage U ₀ / U	max.	V	300			