

Instrumentation Cable

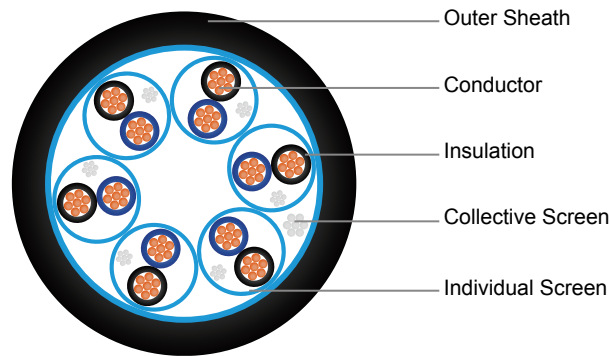
Multi Pairs, Individual&Collective Screen, LSZH Sheathed
Halogen-free, Flame Retardant Types

EN50288-7
500 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 class1, 2 or 5 of HD383 in the range of 0.5mm² to 2.5mm².
- Insulation: PE or XLPE to EN 50290. Suitable alternative materials are under consideration.
- Pair Identification: Black&Blue color with number on the cores for multi pairs, start with 1 in the centre.
- Individual Screen: Aluminum foil tape over a tinned copper drain wire.
- Wrapping: At least 1 layer of plastic tape.
- Collective Screen: Aluminum 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	100			100
Capacitance unbalance	max.	pF/500 m	500			
Test voltage		V	2000			
Operating voltage U ₀ / U	max.	V	500			