

Instrumentation Control Cable

Multi Cores, Collective Screen, LSZH Sheathed

Fire Resistant, Flame Retardant Types

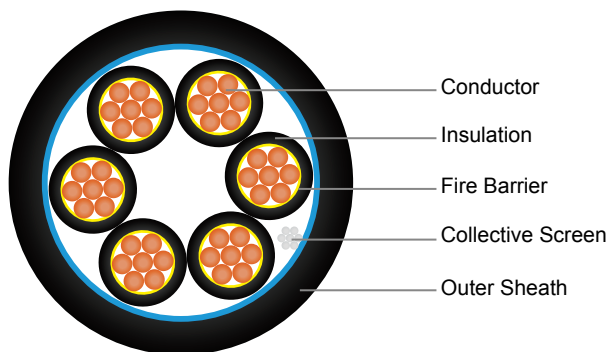
EN50288-7

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.
- Fire Barrier: Mica tape
- Insulation: XLPE to EN 50290. Suitable alternative materials are under consideration.
- Core Identification: Black color with number on the cores for multi cores, 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				
Conductor size	nom.	mm ²	0.5	0.75	1.0	1.5	2.5
Conductor resistance	max.	Ω/km	36.7	25.0	18.5	12.3	7.41
Insulation resistance	min.	MΩ x km	5000				
L/R (ratio)	max.	μH/Ω	25			40	60
Inductance	max.	mH/km	1				
Mutual capacitance	max.	nF/m	100				
Test voltage		V	2000				
Operating voltage U ₀ / U	max.	V	500				