

## Instrumentation Control Cable

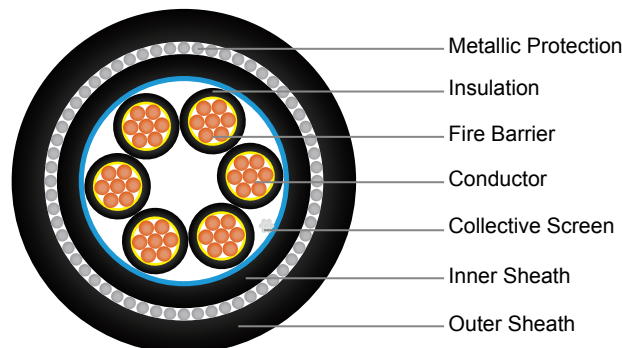
Multi Cores, Collective Screen, Steel Wire Armoured, LSZH Sheathed  
Fire Resistant, Flame Retardant Types

**EN50288-7**  
500 V

### Application

Suitable for connecting instruments and control systems for analogue or digital signal transmission. Recommended for 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 class 1, 2 or 5 of HD383 in the range of 0.5mm<sup>2</sup> to 2.5mm<sup>2</sup>.
- 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.
- Inner Sheath: Halogen free flame retardant compound LSZH, to EN 50290-2-27.
- Metallic Protection: Round galvanised steel wires armour.
- 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	2.5
Conductor size	nom.	mm <sup>2</sup>	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 <sub>0</sub> / U	max.	V	500				