

INSTRUMENTATION CABLES



- Construction** : Single or Multiple Pairs
- Voltage Grade** : Up to 1100 V
- Cable Code** : Kx, Kx (A), Tx, Jx, Ex, Sx / Rx, Bx, Nx, Ux, Wx
- Primary Insulation** : General purpose PVC / Heat Resistant PVC / PE / XLPE / PTFE / Silicone Rubber / Fibre Glass
- Screening** : Overall, Individual & Overall with following options -
 - Aluminium Mylar with Tinned Copper Drain Wire
 - Braided with Bare or Tinned or Nickel Plated or Silver Plated Copper
- Inner Sheath** : PVC / HR PVC / FR PVC / FRLS PVC / ZHFR / PTFE / FIBRE GLASS
- Armouring** : GI Round Wire / Flat Strip or Wire Braiding
- Outer Sheath** : PVC / HR PVC / FR PVC / FRLS PVC / ZHFR / PTFE / FIBRE GLASS
- Rip Card** : For easy removal of sheath
- Standards** : BS-5308 Part-1 & 2 BS-7655, IEC-189 (1 & 2), VDE-0815 & 0816 and BS-EN 50288-7, IEC-60332-1, IEC-60322-3-22, 23, 24

Technical Data

Conductor Resistance at 20° C Ohms/Km	Conductor Size mm ²	0.5	0.75	1.0	1.5	2.5
	Maximum Resistance (Plain Copper, Class-2 Conductor)	39.0	26.0	19.5	13.3	7.98
Capacitance nF/Km	Between Conductors	< 250 for PVC < 150 for Polyolefin				
Inductance mH/Km		< 1.0				
L/R Ratio μH/Ohm	Conductor Size mm ²	0.5	0.75	1.0	1.5	2.5
	L/R	< 25	< 25	< 25	< 40	< 60
Insulation Resistance at 20° C MOhm-Km	PVC	More than 100				
	PE/XLPE	More than 5000				
Electrostatic noise rejection ratio		More than 76.0 db				

Range : 0.5 / 0.75 / 1.0 / 1.5 / 2.5 Sq mm up to 100 pair

