



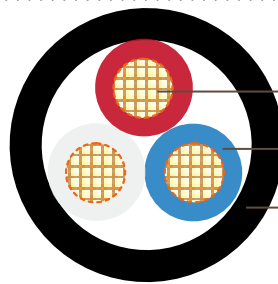
XLPE Insulated, PVC Sheathed Unarmored Multicore control Cables 0.6/1kV

Application

These cables are used for control circuits unenclosed, enclosed in conduit, buried direct or in underground ducts for commercial, industrial, mining and electricity authority systems where not subject to mechanical damage.

Standard

- AS/NZS 5000.1
- AS/NZS 3008
- AS/NZS 1125



- Plain annealed copper conductor
- XLPE X-90 insulation
- PVC sheath

Cable Construction

Conductor: Plain annealed copper.

Insulation: XLPE X-90.

Insulation colour: 3C – Red, White, Blue

4C - Red, White, Blue,black

Sheath: Polyvinylchloride compound PVC 5V-90

Sheath colour: Black, other colors are available upon request

Technical Characteristics

Conductor	Current Ratings			Electrical Characteristics			
	Unenclosed In Air A	Buried Direct A	Buried In Ducts A	Maximum DC Resistance @20°C Ohm/km	Maximum AC Resistance @90°C Ohm/km	Reactance Ohm/km	Three Phase Voltage Drop @90°C mV/Am
10	68	91	68	1.83	2.33	0.084	4.05
16	91	118	89	1.15	1.47	0.081	2.55
25	121	155	118	0.727	0.927	0.081	1.61



Cable Parameter

Nom. conductor area	Main conductor type	Nom. insulation thickness	Nom. sheath thickness	Nom. overall diameter	Approx. mass
mm ²		mm	mm	mm	kg/km
3 cores					
10	7/1.35	0.7	1.4	15.3	435
16	7/1.70	0.7	1.4	17.6	625
25	7/2.14	0.9	1.4	21.5	950
4 cores					
10	7/1.35	0.7	1.4	16.7	550
16	7/1.70	0.7	1.4	19.2	800
25	7/2.14	0.9	1.4	23.6	1250