

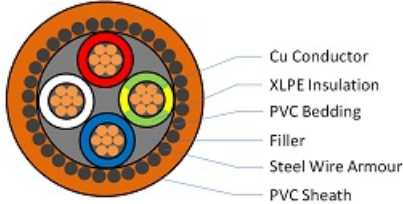
Three Core + Earth Circular, 0.6/1kV Armoured X-90 XLPE

POWER CABLES

XLPE INSULATED PVC BEDDED STEEL WIRE ARMoured AND PVC SHEATHED CABLE TO AS/NZS 5000.1

CABLE APPLICATION

Description
 For mains, submains and subcircuits unenclosed, in conduit, buried direct or in underground ducts for buildings and industrial plants where mechanical protection is required. Suitable for glanding.



CABLE DESIGN

Conductor
 Plain Annealed Copper Conductor to AS/NZS 1125
Insulation
 X-90 XLPE to AS/NZS 3808
 Core Colours: Red, White, Blue, Green/Yellow
Sheath
 5V-90 PVC to AS/NZS 3808
 Colours: Orange or Black (Black on request)

Note
 ** items can be supplied with compacted conductors to AS/NZS 1125
 ** items can be supplied with alternative stranding construction to AS/NZS 1125 – 7/19/37/61 strands
 ** overall dimensions may vary due to compacted conductors

CHARACTERISTICS

Part Number	Conductor				Cable				
	Nom. Area mm ²	No. & Dia. of Wires No./mm	Nom. Dia. mm	Nom. Insulation Thickness mm	Nom. Dia. Under Armour mm	Dia. of Wire mm	Nom. Dia. Over Armour mm	Nom. Overall Dia. mm	Approx. Mass Kg/100m
SOX7135C3CE	10	7/1.35	4.05	0.7	15.2	1.6	18.4	22.0	112.3
	E (4.0)	7/0.85	2.55						
SOX7170C3CE	16	7/1.70	5.1	0.8	17.0	1.6	20.2	23.8	142.0
	E (6.0)	7/1.04	3.12						
SOX19135C3CE	25	19/1.35**	6.75	0.9	19.5	1.6	22.7	26.3	176.5
	E (6.0)	7/1.04	3.12						
SOX19153C3CE	35	19/1.53**	7.65	0.9	22.4	1.6	25.6	29.2	225.7
	E (10)	7/1.35	4.05						
SOX19178C3CE	50	19/1.78**	8.9	1.0	25.5	1.6	28.7	32.5	280.9
	E (16)	7/1.70	5.1						
SOX19214C3CE	70	19/2.14**	9.8	1.1	29.9	2.0	33.9	38.1	402.4
	E (25)	19/1.35**	5.9						
SOX37178C3CE	95	37/1.78**	11.5	1.1	33.2	2.0	37.2	41.6	493.2
	E (25)	19/1.35**	5.9						
SOX37203C3CE	120	37/2.03**	13.1	1.2	37.1	2.0	41.1	45.7	602.9
	E (35)	19/1.53**	7.0						
SOX37225C3CE	150	37/2.25**	14.5	1.4	42.5	2.5	47.5	52.5	804.3
	E (50)	19/1.78**	8.2						
SOX37252C3CE	185	37/2.52**	16.2	1.6	46.7	2.5	51.7	56.9	924.0
	E (70)	19/2.14**	9.8						
SOX61225C3CE	240	61/2.25**	18.6	1.7	52.5	2.5	57.5	63.1	1150.3
	E (95)	37/1.78**	11.5						

0.6/1kV XLPE SWA CIRCULAR

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