

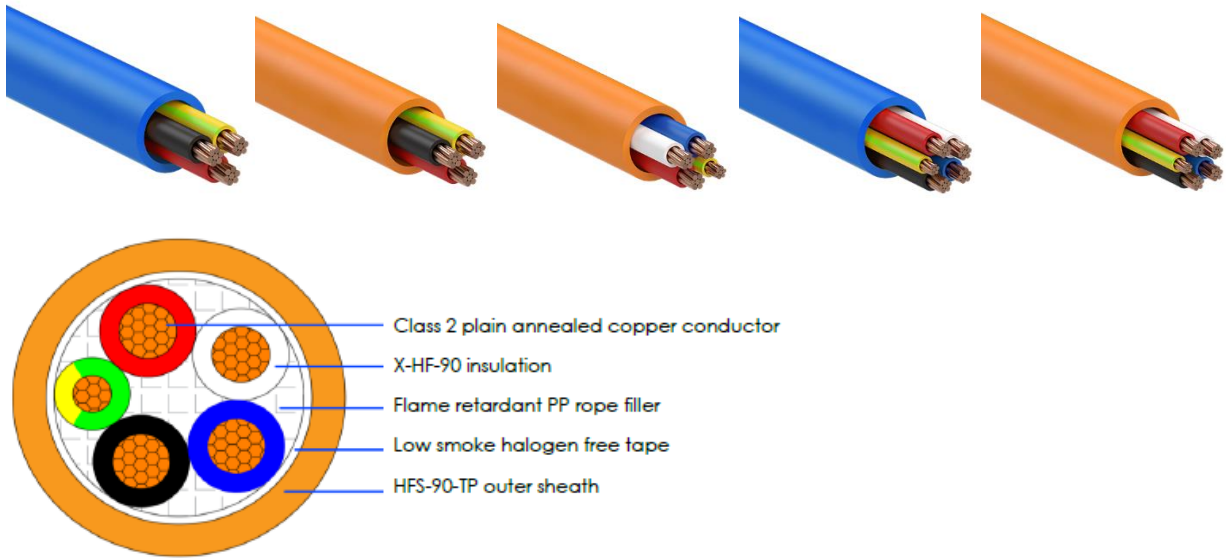
## Orange Circular Power Cables – LSZH ENV

### Product Description

0.6/1 kV, Flexible Plain Annealed Copper Conductors, X-HF-90 Insulated, HFS-90-TP Sheathed. Compliance with AS/NZS 5000.1 Design Guidelines.

Electrical characteristics are calculated based on ambient of temperature 40°C and soil temperatures 25°C.

### Product Images



### Specifications

<b>Conductor</b>	
Material:	Plain Annealed Copper
Stranding:	Class 2
Standards:	AS/NZS 1125
<b>Insulation</b>	
Material:	X-HF-90
Operating Temperature:	-25°C - 90°C
Colour:	Red, White, Blue, Black and Green/Yellow
Standards:	AS/NZS 3808
<b>Sheath</b>	
Material:	HFS-90-TP (LSZH)
Operating Temperature:	-25°C - 90°C
Colour(s):	Orange (standard) and Blue
Standards:	AS/NZS 3808
Voltage Rating:	0.6/1 kV
<b>Packaging</b>	Usually Timber Drum, Length as ordered* Plastic Drum for short lengths, usually less than 50m

\*MOQ may apply

**Technical Data**

Part No.	Available Colours	No. Of Cores	Nom. Area mm <sup>2</sup>	Earth size per Core mm	Approx Mass kg/km
ELT2025E-ENV	Orange, Blue	2 + E	2.5	2.5	195
ELT3025E-ENV	Orange	3 + E	2.5	2.5	236
ELT4025E-ENV	Orange, Blue	4 + E	2.5	2.5	280
ELT2040E-ENV	Orange, Blue	2 + E	4.0	2.5	235
ELT3040E-ENV	Orange	3 + E	4.0	2.5	293
ELT4040E-ENV	Orange, Blue	4 + E	4.0	2.5	355
ELT2060E-ENV	Orange, Blue	2 + E	6.0	2.5	286
ELT3060E-ENV	Orange	3 + E	6.0	2.5	365
ELT4060E-ENV	Orange, Blue	4 + E	6.0	2.5	449

**2C+E**

No. of cores & CSA	Structure of conductor		Approx. diameter of conductor		Nominal thickness of insulation		Nominal thickness of outer sheath
	Phase	Earth	Phase	Earth	Phase	Earth	
	No./mm	No./mm	mm	mm	mm	mm	
2C2.5+E2.5	7/0.68	7/0.68	2.04	2.04	0.7	0.7	1.8
2C4+E2.5	7/0.85	7/0.68	2.55	2.04	0.7	0.7	1.8
2C6+E2.5	7/1.05	7/0.68	3.10	2.04	0.7	0.7	1.8

No. of cores & CSA	Approx. OD of cable	Max. OD of cable	Approx. weight of cable	Max. DC resistance of conductor at 20°C		Max. allowable pulling force of conductor	Min. bending radius	
				Phase	Earth		During installation	After installation
				Ω/km	Ω/km		mm	mm
2C2.5+E2.5	11.8	13.8	195	7.41	7.41	0.51	83	55
2C4+E2.5	12.5	14.5	235	4.61	7.41	0.71	87	58
2C6+E2.5	13.4	15.4	286	3.08	7.41	0.99	93	62

**3C+E**

No. of cores & CSA	Structure of conductor		Approx. diameter of conductor		Nominal thickness of insulation		Nominal thickness of outer sheath
	Phase	Earth	Phase	Earth	Phase	Earth	
	No./mm	No./mm	mm	mm	mm	mm	
3C2.5+E2.5	7/0.68	7/0.68	2.04	2.04	0.7	0.7	1.8
3C4+E2.5	7/0.85	7/0.68	2.55	2.04	0.7	0.7	1.8
3C6+E2.5	7/1.05	7/0.68	3.10	2.04	0.7	0.7	1.8

No. of cores & CSA	Approx. OD of cable	Max. OD of cable	Approx. weight of cable	Max. DC resistance of conductor at 20°C		Max. allowable pulling force of conductor	Min. bending radius	
				Phase	Earth		During installation	After installation
	mm	mm	kg/km	Ω/km	Ω/km	kN	mm	mm
3C2.5+E2.5	12.7	14.7	236	7.41	7.41	0.68	88	59
3C4+E2.5	13.6	15.6	293	4.61	7.41	0.99	94	62
3C6+E2.5	14.6	16.6	365	3.08	7.41	1.39	100	67

### 4C+E

No. of cores & CSA	Structure of conductor		Approx. diameter of conductor		Nominal thickness of insulation		Nominal thickness of outer sheath
	Phase	Earth	Phase	Earth	Phase	Earth	
	No./mm	No./mm	mm	mm	mm	mm	
4C2.5+E2.5	7/0.68	7/0.68	2.04	2.04	0.7	0.7	1.8
4C4+E2.5	7/0.85	7/0.68	2.55	2.04	0.7	0.7	1.8
4C6+E2.5	7/1.05	7/0.68	3.10	2.04	0.7	0.7	1.8

No. of cores & CSA	Approx. OD of cable	Max. OD of cable	Approx. weight of cable	Max. DC resistance of conductor at 20°C		Max. allowable pulling force of conductor	Min. bending radius	
				Phase	Earth		During installation	After installation
	mm	mm	kg/km	Ω/km	Ω/km	kN	mm	mm
4C2.5+E2.5	13.7	15.7	280	7.41	7.41	0.85	94	63
4C4+E2.5	14.8	16.8	355	4.61	7.41	1.26	101	67
4C6+E2.5	16.0	18.0	449	3.08	7.41	1.80	108	72



Subject to change without notice