

TECHNICAL DATASHEET – R6

Limited Fire Hazard Armoured



Specification EME-SPE-14-027
Voltage Rating 0.6/1.0 kV
Description Stranded plain copper conductors,
 XLPE insulation, cores laid up,
 LFH bedding, SWA, LFH sheath

No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating			Voltage Drop		Maximum DC Conductor Resistance @ 20°C	Gross Cross Sectional Area of Armour	Nominal Overall Diameter	Nominal Weight
	Laid Direct	Single Way Ducts	Free Air	dc	Single Phase ac				
no x mm ²	Amps	Amps	Amps	mV/A/M	mV/A/M	Ω/Km	mm ²	mm	Kg/Km
2 x 2.50+	49.00	41.00	41.00	19.00	19.00	7.41	17.00	12.20	323.00
2 x 4.00+	65.00	53.00	55.00	12.00	12.00	4.61	19.00	13.30	387.00
2 x 6.00+	81.00	67.00	70.00	7.90	7.90	3.08	22.00	14.40	460.00
2 x 10.00+	109.00	89.00	95.00	4.70	4.70	1.83	26.00	16.10	611.00
2 x 16.00+	141.00	115.00	126.00	2.90	2.90	1.15	42.00	18.70	904.00
2 x 25.00	183.00	148.00	164.00	1.85	1.90	0.727	42.00	21.00	1050.00
2 x 35.00	219.00	178.00	202.00	1.35	1.35	0.524	60.00	22.00	1450.00
2 x 50.00	259.00	211.00	244.00	0.98	1.00	0.387	68.00	24.00	1800.00
2 x 70.00	317.00	260.00	306.00	0.67	0.69	0.268	80.00	27.00	2300.00
2 x 95.00	381.00	313.00	378.00	0.49	0.52	0.193	113.00	32.00	3250.00
2 x 120.00	433.00	357.00	437.00	0.39	0.42	0.153	125.00	35.00	3950.00
2 x 150.00	485.00	401.00	499.00	0.31	0.35	0.124	138.00	38.00	4650.00
2 x 185.00	547.00	455.00	576.00	0.25	0.29	0.0991	191.00	43.00	6050.00
2 x 240.00	632.00	527.00	680.00	0.195	0.24	0.0754	215.00	49.00	7500.00
2 x 300.00	708.00	592.00	775.00	0.155	0.21	0.0601	235.00	54.00	9050.00

+ Circular conductors

General Note

AEI Cables reserves the right to amend the product information without notice or liability.
 The information is considered accurate at the time of going to print.



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK

TECHNICAL DATASHEET – R6

Limited Fire Hazard Armoured



Specification EME-SPE-14-027
Voltage Rating 0.6/1.0 kV
Description Stranded plain copper conductors,
 XLPE insulation, cores laid up,
 LFH bedding, SWA, LFH sheath

No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating			Voltage Drop	Maximum DC Conductor Resistance@ 20°C	Gross Cross Sectional Area of Armour	Nominal Overall Diameter	Nominal Weight
	Laid Direct	Single Way Ducts	Free Air	Three Phase ac				
no x mm ²	Amps	Amps	Amps	mV/A/M	Ω/Km	mm ²	mm	Kg/Km
3 x 2.50+	42.00	34.00	35.00	16.00	7.41	19.00	12.10	335.00
3 x 4.00+	55.00	45.00	47.00	10.00	4.61	20.00	13.30	430.00
3 x 6.00+	69.00	56.00	59.00	6.80	3.08	23.00	14.40	523.00
3 x 10.00+	92.00	75.00	82.00	4.00	1.83	39.00	17.00	811.00
3 x 16.00+	119.00	96.00	107.00	2.50	1.15	45.00	19.30	1072.00
3 x 25.00	152.00	124.00	140.00	1.65	0.727	62.00	24.00	1750.00
3 x 35.00	182.00	149.00	172.00	1.15	0.524	68.00	27.00	2000.00
3 x 50.00	217.00	177.00	209.00	0.87	0.387	78.00	28.00	2450.00
3 x 70.00	266.00	218.00	263.00	0.60	0.268	90.00	32.00	3250.00
3 x 95.00	319.00	263.00	324.00	0.45	0.193	128.00	36.00	4500.00
3 x 120.00	363.00	300.00	376.00	0.37	0.153	141.00	40.00	5350.00
3 x 150.00	406.00	338.00	430.00	0.30	0.124	201.00	44.00	6900.00
3 x 185.00	458.00	382.00	495.00	0.26	0.0991	220.00	49.00	8200.00
3 x 240.00	529.00	442.00	584.00	0.21	0.0754	250.00	56.00	10350.00
3 x 300.00	592.00	496.00	666.00	0.185	0.0601	269.00	62.00	12600.00

+ Circular conductors

General Note

AEI Cables reserves the right to amend the product information without notice or liability.
 The information is considered accurate at the time of going to print.



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK

TECHNICAL DATASHEET – R6

Limited Fire Hazard Armoured



Specification EME-SPE-14-027
Voltage Rating 0.6/1.0 kV
Description Stranded plain copper conductors,
 XLPE insulation, cores laid up,
 LFH bedding, SWA, LFH sheath

No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating			Voltage Drop	Maximum DC Conductor Resistance@ 20°C	Gross Cross Sectional Area of Armour	Nominal Overall Diameter	Nominal Weight
	Laid Direct	Single Way Ducts	Free Air	Three Phase ac				
no x mm ²	Amps	Amps	Amps	mV/A/M	Ω/Km	mm ²	mm	Kg/Km
4 x 2.50+	42.00	34.00	35.00	16.00	7.41	20.00	13.60	406.00
4 x 4.00+	55.00	45.00	47.00	10.00	4.61	22.00	14.90	505.00
4 x 6.00+	69.00	56.00	59.00	6.80	3.08	36.00	17.10	737.00
4 x 10.00+	92.00	75.00	82.00	4.00	1.83	42.00	18.90	969.00
4 x 16.00+	119.00	96.00	107.00	2.50	1.15	50.00	21.50	1303.00
4 x 25.00	152.00	124.00	140.00	1.65	0.727	70.00	27.00	2100.00
4 x 35.00	182.00	149.00	172.00	1.15	0.524	78.00	29.00	2450.00
4 x 50.00	217.00	177.00	209.00	0.87	0.387	90.00	32.00	3100.00
4 x 70.00	266.00	218.00	263.00	0.60	0.268	131.00	37.00	4400.00
4 x 95.00	319.00	263.00	324.00	0.45	0.193	147.00	41.00	5650.00
4 x 120.00	363.00	300.00	376.00	0.37	0.153	206.00	46.00	7300.00
4 x 150.00	406.00	338.00	430.00	0.30	0.124	230.00	51.00	8700.00
4 x 185.00	458.00	382.00	495.00	0.26	0.0991	255.00	55.00	10450.00
4 x 240.00	529.00	442.00	584.00	0.21	0.0754	289.00	63.00	13250.00
4 x 300.00	592.00	496.00	666.00	0.185	0.0601	319.00	68.00	16100.00

+ Circular conductors

General Note

AEI Cables reserves the right to amend the product information without notice or liability.
 The information is considered accurate at the time of going to print.



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK