

TECHNICAL DATASHEET – R32

Jumper Cables



Specification RIA 10
Voltage Rating 0.3/0.5 kV and 0.6/1.0kV
Description Flexible tinned copper conductors,
 EPR insulation, twin and multicore cables

No of pairs/cores & Nominal Cross Sectional Area of Conductor	No. & Nominal Diameter of Strands	Voltage Rating (volts)	Maximum DC Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight
no x mm ²	no/mm		Ω/Km	mm	Kg/Km
1P x 0.75 screened	24/0.20	300/500	26.70	10.00	160.00
1P x 1.00 screened	32/0.20	300/500	20.00	10.70	180.00
1P x 1.00 screened	32/0.20	300/500	20.00	12.50	230.00
2P x 1.00 screened	32/0.20	300/500	20.00	22.00	590.00
3P x 1.00 screened	32/0.20	300/500	20.00	22.40	630.00
1P x 1.00	32/0.20	300/500	20.00	15.70	290.00
12 x 1.00	32/0.20	300/500	20.00	20.30	450.00
19 x 2.50	50/0.25	300/500	8.21	28.40	1200.00
27 x 2.50	50/0.25	300/500	8.21	32.00	1500.00
36 x 1.50	30/0.25	300/500	13.70	34.60	1600.00
42 x 1.50	30/0.25	300/500	13.70	38.40	1900.00
10 x 2.50	50/0.25	600/1000	8.21	28.10	910.00
20 x 4.00	56/0.30	600/1000	5.09	42.70	2400.00

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.

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 Website: www.aeicables.co.uk

TECHNICAL DATASHEET – R24

Railway Power



Specification RIA 21
Voltage Rating 0.6/1.0 kV (Protected Installation)
Description Flexible tinned copper conductors,
EPR/CSP composite insulation

No. of cores & Nominal Cross Sectional Area of Conductor	No. & Nominal Diameter of Strands	Maximum DC Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight
no x mm ²	no/mm	Ω/Km	mm	Kg/Km
1 x 1.50	30/0.25	13.70	4.80	41.00
1 x 2.50	50/0.25	8.21	5.00	53.00
1 x 4.00	56/0.30	5.09	5.90	73.00
1 x 6.00	84/0.30	3.39	7.10	104.00
1 x 10.00	80/0.40	1.95	8.10	152.00
1 x 16.00	126/0.40	1.24	9.20	217.00
1 x 25.00	196/0.40	0.795	10.90	322.00
1 x 35.00	276/0.40	0.565	12.30	430.00
1 x 50.00	396/0.40	0.393	14.30	596.00
1 x 70.00	360/0.50	0.277	16.60	807.00
1 x 95.00	475/0.50	0.210	19.10	1054.00
1 x 120.00	608/0.50	0.164	21.20	1345.00
1 x 150.00	756/0.50	0.132	23.40	1648.00
1 x 185.00	925/0.20	0.108	25.60	1992.00
1 x 240.00	1221/0.50	0.0817	28.60	2567.00

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TECHNICAL DATASHEET – R24

Railway Power



Specification RIA 21
Voltage Rating 1.9/3.3 kV (Protected Installation)
Description Flexible tinned copper conductors,
EPR/CSP composite insulation

No. of cores & Nominal Cross Sectional Area of Conductor	No. & Nominal Diameter of Strands	Maximum DC Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight
no x mm ²	no/mm	Ω/Km	mm	Kg/Km
1 x 2.50	50/0.25	8.21	8.05	100.00
1 x 10.00	80/0.40	1.95	10.70	216.00
1 x 16.00	126/0.40	1.24	11.85	288.00
1 x 25.00	196/0.40	0.795	13.25	392.00
1 x 35.00	276/0.40	0.565	14.65	509.00
1 x 50.00	396/0.40	0.393	16.50	682.00
1 x 70.00	360/0.50	0.277	18.60	894.00
1 x 95.00	475/0.50	0.210	21.25	1168.00
1 x 120.00	608/0.50	0.164	22.75	1433.00
1 x 150.00	756/0.50	0.132	24.75	1734.00
1 x 185.00	925/0.20	0.108	26.75	2073.00
1 x 240.00	1221/0.50	0.0817	29.75	2657.00
1 x 300.00	1525/0.50	0.0654	32.90	3279.00
1 x 400.00	2013/0.50	0.0495	36.90	4229.00

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TECHNICAL DATASHEET – R24

Railway Power



Specification RIA 21
Voltage Rating 1.9/3.3 kV (Exposed Installation)
Description Flexible tinned copper conductors,
EPR/CSP composite insulation

No. of cores & Nominal Cross Sectional Area of Conductor	No. & Nominal Diameter of Strands	Maximum DC Conductor Resistance @ 20°C	Nominal Overall Diameter	Nominal Weight
no x mm ²	no/mm	Ω/Km	mm	Kg/Km
1 x 70.00	360/0.50	0.277	23.30	1141.00
1 x 95.00	475/0.50	0.210	25.40	1404.00
1 x 120.00	608/0.50	0.164	26.90	1685.00
1 x 150.00	756/0.50	0.132	28.90	2011.00
1 x 185.00	925/0.20	0.108	31.10	2385.00
1 x 240.00	1221/0.50	0.0817	34.10	3001.00
1 x 300.00	1525/0.50	0.0654	37.10	3631.00
1 x 400.00	2013/0.50	0.0495	41.10	4621.00

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