

Clear sheath EMC cable



APPLICATION

Specifically designed low capacitance screened cable for connection between AC variable speed drives and motors. Suitable for fixed installation and occasional freely flexing applications in dry, damp and wet conditions.

DESIGN

Electromagnetic compatibility (EMC) is the ability of electrical or electronic equipment to function normally in an environment without being affected by electromagnetic (EMI) and radio frequency interferences (RFI) or in turn disturbing the environment by transmitting EMI or RFI.

VOLTAGE RATING

Rated AC voltage: $U_0/U = 0.6\text{kV}/1\text{kV}$

Selection and ordering data Y-CY-JB Coloured Cores

Part No.	No. of Cores x Conductor Size	Approx. No. of strands x Max. Strand Diameter	Max Outer Diameter	Min bending radii fixed	Min bending radii flexing	Net weight	Unenclosed Touching
	mm	mm	mm	mm	mm	kg/km	A
EMC3G1.5	3 X 1.5	24 X 0.31	10.8	54	108	173	15
EMC3G2.5	3 X 2.5	40 X 0.31	12.5	63	125	240	22
EMC4G1.5	4 X 1.5	24 X 0.31	13	69	92	203	18
EMC4G2.5	4 X 2.5	40 X 0.31	14	100	125	288	26
EMC4G4	4 X 4	48 X 0.31	15.5	124	155	373	34
EMC4G6	4 X 6	72 X 0.31	17.4	136	170	532	44
EMC4G10	4 X 10	76 X 0.41	19.6	156	195	720	61
EMC4G16	4 X 16	117 X 0.41	23.1	168	210	1006	82
EMC4G25	4 X 25	180 X 0.41	27	196	245	1454	108
EMC4G35	4 X 35	280 x 0.40	33.8	169	338	2390	135
EMC4G50	4 X 50	400 x 0.40	39.8	199	398	3315	168
EMC4G70	4 X 70	356 x 0.50	48.1	240.5	481	4600	207
EMC4G95	4 X 95	485 x 0.50	52.7	263.5	527	6060	250
EMC4G120	4 X 120	614 x 0.50	58.6	293	586	7315	292
EMC4G150	4 X 150	765 x 0.50	65.7	328.5	657	9340	335
EMC4G185	4 X 185	944 x 0.50	73	365	730	11120	382

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Selection and ordering data Y-CY-JZ Numbered Cores

Part No.	No. of Cores x Conductor Size	Approx. No. of strands x Max. Strand Diameter	Max Outer Diameter	Min bending radii fixed	Min bending radii flexing	Net weight	Unenclosed Touching
	mm	mm	mm	mm	mm	kg/km	A
EMC2G0.5JZ	2 x 0.5	16 X 0.20	6.90	34.50	69	67	9
EMC3G0.5JZ	3 x 0.5	16 X 0.20	7.20	36.00	72	83	9
EMC4G0.5JZ	4 x 0.5	16 X 0.20	7.80	39.00	78	94	9
EMC5G0.5JZ	5 x 0.5	16 X 0.20	8.30	41.50	83	108	9
EMC7G0.5JZ	7 x 0.5	16 X 0.20	9.50	47.50	95	136	9
EMC12G0.5JZ	12 x 0.5	16 X 0.20	11.30	56.50	113	195	9
EMC18G0.5JZ	18 X 0.5	16 X 0.20	13.10	65.50	131	277	9
EMC3G0.75JZ	3 X 0.75	24 X 0.20	7.80	39.00	78	98	12
EMC4G0.75JZ	4 X 0.75	24 X 0.20	8.30	41.50	83	113	12
EMC5G0.75JZ	5 X 0.75	24 X 0.20	9.10	45.50	91	130	12
EMC7G0.75JZ	7 X 0.75	24 X 0.20	10.40	52.00	104	184	12
EMC12G0.75JZ	12 X 0.75	24 X 0.20	12.50	62.50	125	292	12
EMC18G0.75JZ	18 X 0.75	24 X 0.20	14.30	71.50	143	358	12
EMC3G1JZ	3 X 1	32 X 0.20	8.20	41.00	82	103	15
EMC4G1JZ	4 X 1	32 X 0.20	8.90	44.50	89	10146	15
EMC5G1JZ	5 X 1	32 X 0.20	9.50	47.50	95	169	15
EMC7G1JZ	7 X 1	32 X 0.20	11.00	55.00	110	219	15
EMC12G1JZ	12 X 1	32 X 0.20	13.10	65.50	131	350	15
EMC18G1JZ	18 X 1	32 X 0.20	15.40	77.00	154	514	15
EMC3G1.5JZ	3 X 1.5	30 X 0.25	9.00	45.00	90	152	18
EMC4G1.5JZ	4 X 1.5	30 X 0.25	9.60	48.00	96	168	18
EMC5G1.5JZ	5 X 1.5	30 X 0.25	10.50	52.50	105	202	18
EMC7G1.5JZ	7 X 1.5	30 X 0.25	12.10	60.50	121	304	18
EMC12G1.5JZ	12 X 1.5	30 X 0.25	14.90	74.50	149	434	18
EMC18G1.5JZ	18 X 1.5	30 X 0.25	17.10	85.50	171	640	18
EMC3G2.5JZ	3 X 2.5	50 X 0.25	10.70	53.50	107	216	26
EMC4G2.5JZ	4 X 2.5	50 X 0.25	11.40	57.00	114	267	26
EMC5G2.5JZ	5 X 2.5	50 X 0.25	12.50	62.50	125	347	26
EMC7G2.5JZ	7 X 2.5	50 X 0.25	15.00	75.00	150	407	26
EMC12G2.5JZ	12 X 2.5	50 X 0.25	18.00	90.00	180	722	26
EMC4G4JZ	4 X 4	56 X 0.30	13.40	67.00	134	410	34
EMC5G4JZ	5 X 4	56 X 0.30	14.80	74.00	148	502	34
EMC5G6JZ	5 X 6	84 X 0.30	17.00	85.00	170	702	44