HO7RN-F RUBBER

Heavy Duty Rubber Flexible Cables

APPLICATION

- Heavy duty construction site leads for drills, pumps, saws, kangos
- Cranes, hoists & festoon systems
- Stage & theatre power & lighting
- Portable motors, generators & power supplies
- Submersible

DESIGN

Rubber cables designed as a heavy duty flexible for dry, damp and wet environments, areas of stress caused by vibration or impact and is resistant to abrasion, exposure to radiated heat and chemical contamination.

Rubber cables consist of finely stranded copper conductors laid up to provide a flexible design. R-EP-90 elastomer insulation provides improved current capacities.

The construction is in accordance with the Australian Standards AS 1125, AS 3191, AS 3116 and DIN/VDE 0282 IEC332-1 and CENELEC standards for O7RN.

OPERATING TEMPERATURE

- Temperature range -30° to +60°C
- Minimum ambient temperature for optimum fully flexible operation -25°C

MINIMUM BENDING RADII

The following minimum bending radii should be observed to ensure operating reliability.

- For fixed installation 4 x cable diameter
- When freely flexing 5 x cable diameter

VOLTAGE RATING

• Rated voltage:	Uo/U = 0.6/1kV
• Maximum operating voltages in:	
3 phase AC operation:	Uo/U = 0.7/1.15kV
DC operation:	Uo/U = 0.9/1.73kV
• AC test voltage:	= 2.5kV

*The cable is designated 450/750V with EI1 insulation compound in accordance with VDE/IEC and meets or exceeds the Australian Standard AS 3116 for the voltage rating of 0.6/1kV, R-EP-90.

CORE COLOUR IDENTIFICATION

Single Core black
3 Core blue, brown, green/yellow
4 Core brown, black, green/yellow, grey
5 Core blue, brown, black, green/yellow, grey
Multi core black insulation sequentially numbered including a green/yellow earth core.

TENSILE STRENGTH

The maximum allowable tensile stress is 15N/mm2.
This ensures no conductor damage will occur in operation.

RESISTANT TO

- Ozone
- Weather

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SELECTION & ORDERING DATA

	PART NO.	NO. OF CORES X CONDUCTOR SIZE MM	APPROX. NO. OF STRANDS X MAX. STRAND DIA. MM	CABLE OVERALL DIA. MIN MM	CABLE OVERALL DIA. MAX MM	CABLE WEIGHT KG/KM	UNENCLOSED TOUCH A
WITHOUT GREEN/YELLOW EARTH	RUB 2 x 1.5	2 x 1.5	30 x 0.26	9.0	11.5	135	20
	RUB 2 x 2.5	2 x 2.5	50 x 0.26	10.5	13.5	195	28
	RUB 2 x .4	2 x 4	56 x 0.31	12.0	15.0	270	37
INCLUDING A GREEN/YELLOW EARTH CORE	RUB3G1	3G1	32 x 0.21	8.6	10.5	130	14
	RUB3G1.5	3G1.5	30 x 0.26	9.6	11.0	165	19
	RUB3G2.5	3G2.5	50 x 0.26	11.5	13.0	235	26
	RUB3G4	3G4	56 x 0.31	13.0	15.0	320	35
	RUB3G6	3G6	84 x 0.31	14.5	16.5	495	45
	RUB3G10	3G10	80 x 0.41	20.0	22.5	880	62
	RUB3G16	3G16	126 x 0.41	22.5	26.5	1090	83
	RUB4G1	4G1	32 x 0.21	9.8	10.2	140	14
	RUB4G1.5	4G1.5	30 x 0.26	10.5	12.5	192	19
	RUB4G2.5	4G2.5	50 x 0.26	12.5	14.0	290	26
	RUB4G4	4G4	56 x 0.31	14.5	16.5	395	35
	RUB4G6	4G6	84 x 0.31	15.7	20.0	540	44
	RUB4G10	4G10	80 x 0.41	20.9	26.5	950	61
	RUB4G16	4G16	126 x 0.41	23.8	30.1	1260	2\82
	RUB4G25	4G25	196 x 0.41	28.9	36.6	1860	108
	RUB4G35	4G35	296 x 0.41	32.5	41.1	2380	135
	RUB4G50	4G50	400 x 0.40	42.7	47.5	3190	168
	RUB4G70	4G70	356 x 0.50	48.4	54.0	4260	200
	RUB4G95	4G95	485 x 0.50	53.0	61.0	5600	250
	RUB4G120	4G120	614 x 0.50		66.0	6830	292
INCLUDING A GREEN/YELLOW EARTH CORE	RUB5G2.5	5G2.5	50 x 0.26	13.5	15.8	345	26
	RUB5G4	5G4	56 x 0.31	16.0	18.8	485	35
	RUB5G6	5G6	84 x 0.31	18.0	22.0	760	45
	RUB5G10	5G10	80 x 0.41	24.0	27.0	1300	62
	RUB5G16	5G16	126 x 0.41	27.0	32.5	1680	83
	RUB5G25	5G25	196 x 0.41	32.5	37.0	2470	110
	RUB5G35	5G35	296 x 0.41	37.5	41.5	3306	135
	RUB5G50	5G50	400 x 0.40	40.0	50.8	3950	168
	RUB5G70	5G70	356 x 0.50	43.8	54.0	4740	207
	RUB5G95	5G95	485 x 0.50	84.0	89.0	6780	250
INCLUDING A GREEN/YELLOW EARTH CORE	RUB7G1.5	7G1.5	30 x 0.26	14.0	17.5	355	19
	RUB12G1.5	12G1.5	30 x 0.26	19.2	20.2	520	19
	RUB7G2.5	7G2.5	50x 0.26	16.5	20.0	505	19
	RUB12G2.5	12G2.5	50 x 0.26	18.5	26.5	755	26
	RUB24G2.5	24G2.5	50 x 0.26	28.5	35.0	1380	26

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