

# Metric Cables (Pty) Ltd

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## HO7 RN-F FLEXIBLE TRAILING CABLE

### CABLE DESCRIPTION

Harmonized Rubber Cable in accordance with HD 22.4 which also meet the requirements of standards HD 22.12 for HO7 BN4-F (heat resistant EPR cords and flexible cables) as well as HD 22.16 HO7 RN8-F (water resistant polychloroprene or equivalent synthetic elastomer cables).

Flexible copper conductor acc to IEC 60228 class 5

EPR insulation acc to HD 22

Elastomeric outer sheath acc to HD 22

### APPLICATIONS

Flexible rubber cable for industrial applications which require frequent handling, trailing and flexing. Also suitable for use under heavy duty conditions (eg construction sites, quarries etc.)

- Abrasion resistant
- Compression resistant
- Oil resistant
- UV resistant

### SPECIAL FEATURES

- Voltage 450/750 volts max 1,000 volts where the application has built-in protection and for motors, lifting appliances, machine tools etc.
- Test voltage 2.5kV
- 90°C max. conductor operating temperature (continuous load)
- Max. short circuit temperature is 250°C
- Max. cold flexible temperature -40°C
- Water resistant to depths up to 50 metres (slightly polluted industrial or household waste water\*) at a max. water temperature of 40°C
- Min. bending radius: 5 x the outer diameter of the cable

*\* In case of heavily polluted waste water, we recommend not to use the cable below a depth of 10 metres.*

## TECHNICAL DATA

Cable Size mm <sup>2</sup>		Current Rating amps	Nominal OD mm	Weight kg/km	Resistance Ω/kM
1 x	70	246	19.4	885	0.277
1 x	95	298	22.4	1,140	0.21
1 x	120	346	24.4	1,450	0.164
1 x	150	399	27	1,740	0.132
1 x	185	456	29.6	2,170	0.108
1 x	240	538	32.6	2,650	0.0817
1 x	300	621	35.5	3,410	0.0654
2 x	2.5	32	10.5	165	8.21
3 G	1.5	23	10	145	13.7
3 G	2.5	32	11.8	210	8.21
3 G	4	42	13.3	290	5.09
3 G	6	54	14.8	380	3.39
3 G	10	75	20	680	1.95
4 G	1.5	23	11	175	13.7
4 G	2.5	32	13	260	8.21
4 G	4	42	14.8	355	5.09
4 G	6	54	16.7	485	3.39
4 G	10	75	22	845	1.95
4 G	16	100	25.3	1,170	1.24
4 G	25	127	30	1,720	0.795
4 G	35	158	33.3	2,560	0.565
4 G	50	192	39.4	3,140	0.393
4 G	70	246	44.8	4,190	0.277
4 G	95	298	50.8	5,420	0.21
4 G	120	346	54.9	6,730	0.164
4 G	150	399	60.4	8,160	0.132
4 G	185	456	64.4	9,760	0.108
5 G	1.5	23	12	220	13.7
5 G	2.5	32	14.2	320	8.21
5 G	4	42	16	440	5.09
5 G	6	54	18.5	562	3.39
5 G	10	75	24.4	1,040	1.95
5 G	16	100	28	1,460	1.24
7 G	1.5	23	16	360	13.7
7 G	2.5	32	19	525	8.21
12 G	1.5	23	18.5	515	13.7
12 G	2.5	32	22	755	8.21