



HO7 RN-F FLEXIBLE TRAILING CABLE

CABLE DESCRIPTION

A 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 INFORMATION

Cable Size mm ²		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