



1 fine-stranded bare copper

2 EPR rubber insulation

3 outer sheath of polychloroprene compound(EM2), black, abrasion and oil resistant, flame retardant, special colours on enquiry

CONSTRUCTION :

Conductor: flexible Class5 Tinned class5 Copper to be BS6360

Insulation: Ethylene Propylene Rubber (E.P.R). , Type EI 4 to BS 7655

Sheath: PCP Neoprene Rubber Type EM2 to BS 7655

(H - Harmonised Approval 7 - 450/750 rated R - Natural or Synthetic Rubber N - Polychloroprene (PCP Neoprene) F - Flexible Stranded Conductor)

APPLICATION :

Designed primarily as a trailing cable for use in the supply of energy for portable or mobile equipment. Heavy Duty Harmonised Cables are not only robust but also extremely flexible. PCP neoprene is also oil and flame retardant in accordance with BS6007 Table 4 Cenelec code H07RN-F. Light rubber cable, used for easy-duty and medium mechanical loads in dry areas. Suitable for household, kitchens, offices and workshops (for inst. tailoring) for smaller electrical devices (washing-machines, vacuum-cleaners, irons, household appliances, soldering sets etc.) and mobile devices operating in heavier conditions, such as light industrial and agricultural machines. Not suitable for permanent outdoor use. Ozone-resistant, allowed contact with oils and greases.

TECHNICAL DATA :

Voltage: 450/750V

Test Voltage : 2500V

Operating Temperature Range: -20oC to +85oC

Bending Radius: 15 x Cable Diameter.

RELEVANT STANDARDS :

Manufactured to Din 57282, VDE 0282, VDE 0165, VDE 0472 and BS6500 (up to 5 cores).

CORE IDENTIFICATION :

1 Core: Black

2 Cores: Brown, Blue

3 Cores: Green/yellow, Brown, Blue

4 Cores: Green/Yellow, Black, Blue, Brown

5 Cores: Green/Yellow, Black, Blue, Brown, Black

H07RN-F Single Core Type 450/750V EPR/PCP Trailing Rubber Cable

Core and Size Mm sq	Stranding (Number of Strand/Strand Diameter	Thickness of Sheath mm	Nominal Overall Diameter mm	Approx. Weight kg/km
1x1.5	30x0.25	0.8	6.0	49
1x 2.5	50x0.25	0.9	6.6	63
1x4	56x0.30	1.0	7.6	92
1x6	84x0.30	1.0	8.3	115

1x10	80x0.40	1.2	10.7	189
1x16	126x0.40	1.2	12.0	260
1x25	196x0.40	1.4	14.1	369
1x35	276x0.40	1.4	15.8	500
1x50	396x0.40	1.6	18.3	689
1x70	360x0.50	1.6	20.7	918
1x95	475x0.50	1.8	23.4	1202
1x120	608x0.50	1.8	25.6	1489
1x150	756x0.50	2.0	28.3	1824
1x185	925x0.50	2.2	31.0	2202
1x240	1221x0.50	2.4	34.5	2847
1x300	1525x0.50	2.6	37.7	3495
1x400	2013x0.50	2.8	37.7	3495
1x500	1769x0.60	3.0	37.7	3495
1x630	2257x0.60	3.0	37.7	3495

H07RN-F 2 Core Type 450/750V EPR/PCP Trailing Rubber Cable

Core and Size Mm sq	Stranding (Number of Strand/Strand Diameter)	Thickness of Sheath mm	Nominal Overall Diameter mm	Approx. Weight kg/km
2 X 1.0	32/0.20	0.8	8.4	98
2 X 1.5	30/0.50	0.8	9.4	116
2 X 2.5	50/0.25	0.9	11	164
2 X 4.0	56/0.30	1.0	12.8	232
2 X 6.0	84/0.30	1.0	14.2	297
2 X 10.0	80/0.40	1.2	20.4	573
2 X 16.0	126/0.40	1.2	23	774
2 X 25.0	196/0.40	1.4	27.4	1110
2 X 35.0	276/0.40	1.4	30.8	1474

H07RN-F 3 Core Type 450/750V EPR/PCP Trailing Rubber Cable

Core and Size Mm sq	Stranding (Number of Strand/Strand Diameter)	Thickness of Sheath mm	Nominal Overall Diameter mm	Approx. Weight kg/km
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3 X 1.0	32/0.20	0.8	9.0	108
3 X 1.5	30/0.50	0.8	10.3	141
3 X 2.5	50/0.25	0.9	11.8	200
3 X 4.0	56/0.30	1.0	13.7	285
3 X 6.0	84/0.30	1.0	15.2	371
3 X 10.0	80/0.40	1.2	21.9	712
3 X 16.0	126/0.40	1.2	24.7	971
3 X 25.0	196/0.40	1.4	29.4	1394

H07RN-F 4 Core Type 450/750V EPR/PCP Trailing Rubber Cable

Core and Size Mm sq	Stranding (Number of Strand/Strand Diameter)	Thickness of Sheath mm	Nominal Overall Diameter mm	Approx. Weight kg/km
4 X 1.0	32/0.20	0.8	10.0	134
4 X 1.5	30/0.25	0.8	11.2	174
4 X 2.5	50/0.25	0.9	12.6	249
4 X 4.0	56/0.30	1.0	15.1	361
4 X 6.0	84/0.30	1.0	16.9	480
4 X 10.0	80/0.40	1.2	24	890
4 X 16.0	126/0.40	1.2	27	1225
4 X 25.0	196/0.40	1.4	32.6	1792
4 X 35.0	276/0.4	1.4	36.5	2380
4 X 50.0	396/0.4	1.6	42	3635
4 X 70.0	360/0.5	1.6	49	4830
4 X 95.0	475/0.5	1.8	55	6320

H07RN-F 5 Core Type 450/750V EPR/PCP Trailing Rubber Cable

Core and Size Mm sq	Stranding (Number of Strand/Strand Diameter)	Thickness of Sheath mm	Nominal Overall Diameter mm	Approx. Weight kg/km
5 X 1.0	32/0.20	0.8	11.0	170
5 X 1.5	30/0.50	0.8	12.3	218
5 X 2.5	50/0.25	0.9	14.5	309
5 X 4.0	56/0.30	1.0	16.9	450

5 X 6.0	84/0.30	1.0	18.8	595
5 X 10.0	80/0.40	1.2	26.5	1100
5 X 16.0	126/0.40	1.2	30	1528
5 X 25.0	196/0.40	1.4	36	2200
5 X 35.0	276/0.40	1.4	40	2925

H07RN-F Multicore Type 450/750V EPR/PCP Trailing Rubber Cable

Core and Size Mm sq	Stranding (Number of Strand/Strand Diameter)	Thickness of Sheath mm	Nominal Overall Diameter mm	Approx. Weight kg/km
7 X 1.5	30/0.50	0.8	14.6	295
7 X 2.5	50/0.25	0.9	16.6	410
12 X 1.5	30/0.50	0.8	18.9	500
12 X 2.5	50/0.25	0.9	22	720
19 X 1.5	30/0.50	0.8	22.5	715
19 X 2.5	50/0.25	0.9	26	1030
24 X 1.5	30/0.50	0.8	25	900
24 X 2.5	50/0.25	0.9	29	1350
27 X 1.5	30/0.50	0.8	29	1100
27 X 2.5	50/0.25	0.9	33	1521
37 X 1.5	30/0.50	0.8	29.8	1300
37 X 2.5	50/0.25	0.9	36	1900