

Applications

SIMBAL 'TRAILFLEX H07RN-F' cables are suitable for use in installations with moving equipment, electrical appliances and for construction sites. The cable may be rated 0.6 / 1 Kv where the installation has built in protection and for motors in lifting appliances, machine tools etc.

Design

- 1. Conductor** :- Flexible plain copper, Class 5 to DIN VDE 0295
- 2. Insulation** :- EPR
- 3. Outer Sheath** :- PCP (Neoprene) colour Black

Marking

H07RN-F No. of cores x cross section

Core Identification

4 core - colour coded Black, Grey, Green/Yellow, Brown
5 core - colour coded Black, Grey, Green/Yellow, Brown, Blue
Multi core - Black cores with white numbers + green/yellow earth



Standards

HD22.4; HD516; IEC60245-6 type 66; NF C 32- 102-4

Cable Specification

No. of cores & cross section	Part No.	Current rating at 30 deg C	Outer diameter Approx	Weight Approx
1c x 1.5mm ²	08041 0150 01	24 Amps	6mm	0.050 kg/m
1c x 2.5mm ²	08041 0250 01	33 Amps	6.5mm	0.065 kg/m
1c x 4mm ²	08041 0400 01	45 Amps	7.8mm	0.090 kg/m
1c x 6mm ²	08041 0600 01	58 Amps	9mm	0.115 kg/m
1c x 10mm ²	08041 1000 01	80 Amps	10.8mm	0.190 kg/m
1c x 16mm ²	08041 1600 01	107 Amps	12mm	0.260 kg/m
1c x 25mm ²	08041 2500 01	142 Amps	14.1mm	0.370 kg/m
1c x 35mm ²	08041 3500 01	175 Amps	15.9mm	0.495 kg/m
1c x 50mm ²	08041 5000 01	212 Amps	18.5mm	0.680 kg/m
1c x 70mm ²	08041 7000 01	270 Amps	21mm	0.930 kg/m
1c x 95mm ²	08041 9500 01	327 Amps	24mm	1.250 kg/m
1c x 120mm ²	08041 1200 01	379 Amps	25.8mm	1.550 kg/m
1c x 150mm ²	08041 1500 01	435 Amps	28.5mm	1.900 kg/m
1c x 185mm ²	08041 1850 01	496 Amps	31.5mm	2.300 kg/m
1c x 240mm ²	08041 2400 01	584 Amps	35mm	2.900 kg/m
2c x 1.0mm ²	08041 0100 02	19 Amps	8.5mm	0.090 kg/m
2c x 1.5mm ²	08041 0150 02	24 Amps	9.5mm	0.115 kg/m
2c x 2.5mm ²	08041 0250 02	33 Amps	11mm	0.170 kg/m
2c x 4mm ²	08041 0400 02	45 Amps	13mm	0.230 kg/m
2c x 6mm ²	08041 0600 02	58 Amps	15.6mm	0.300 kg/m
2c x 10mm ²	08041 1000 02	80 Amps	20.6mm	0.570 kg/m
3c x 1.0mm ²	08041 0100 03	19 Amps	9.3mm	0.105 kg/m
3c x 1.5mm ²	08041 0150 03	24 Amps	10.3mm	0.135 kg/m
3c x 2.5mm ²	08041 0250 03	33 Amps	12mm	0.200 kg/m
3c x 4mm ²	08041 0400 03	45 Amps	14mm	0.280 kg/m
3c x 6mm ²	08041 0600 03	58 Amps	16.6mm	0.365 kg/m
3c x 10mm ²	08041 1000 03	80 Amps	22.1mm	0.700 kg/m
3c x 16mm ²	08041 1600 03	107 Amps	24.8mm	0.950 kg/m
3c x 25mm ²	08041 2500 03	142 Amps	29.3mm	1.380 kg/m
3c x 35mm ²	08041 3500 03	175 Amps	33mm	1.810 kg/m
3c x 50mm ²	08041 5000 03	212 Amps	38.5mm	2.480 kg/m
3c x 70mm ²	08041 7000 03	270 Amps	43.5mm	3.310 kg/m
3c x 95mm ²	08041 9500 03	327 Amps	50mm	4.400 kg/m

Mechanical Properties		
Bending Radii	(Dynamic Installations)	8 x Cable diameter
	(Static Installations)	4 x Cable diameter
Chemical Properties		
For Indoor & Outdoor applications		
Flame & Fire retardant to IEC 332-1		
Lead & Silicon free & Oil resistant		
Electrical & Thermal Properties		
Nominal Voltage	U _o / U	450 / 750V
Test Voltage	2500 V - 50Hz in AC	
Current Rating	See below	
Maximum temperature at the conductor		
	- in service	+ 60 deg C (+85 deg if protected)
	- in short circuit	+ 200 deg C
Max surface temperature		
	- fixed installation	- 40 deg C up to + 60 deg C
	- mobile installation	- 30 deg C up to + 60 deg C

No. of cores & cross section	Part No.	Current rating at 30 deg C	Outer diameter Approx	Weight Approx
4c x 1.0mm ²	08041 0100 04	18 Amps	10.3mm	0.140 kg/m
4c x 1.5mm ²	08041 0150 04	22 Amps	11.5mm	0.170 kg/m
4c x 2.5mm ²	08041 0250 04	30 Amps	13.2mm	0.245 kg/m
4c x 4mm ²	08041 0400 04	40 Amps	15.5mm	0.350 kg/m
4c x 6mm ²	08041 0600 04	52 Amps	18.5mm	0.470 kg/m
4c x 10mm ²	08041 1000 04	71 Amps	24.1mm	0.870 kg/m
4c x 16mm ²	08041 1600 04	96 Amps	27.1mm	1.180 kg/m
4c x 25mm ²	08041 2500 04	127 Amps	32.5mm	1.750 kg/m
4c x 35mm ²	08041 3500 04	157 Amps	36.5mm	2.300 kg/m
4c x 50mm ²	08041 5000 04	190 Amps	42.5mm	3.160 kg/m
4c x 70mm ²	08041 7000 04	242 Amps	48.6mm	4.240 kg/m
4c x 95mm ²	08041 9500 04	293 Amps	56mm	5.660 kg/m
5c x 1.0mm ²	08041 0100 05	18 Amps	12mm	0.190 kg/m
5c x 1.5mm ²	08041 0150 05	22 Amps	12.5mm	0.225 kg/m
5c x 2.5mm ²	08041 0250 05	30 Amps	14.5mm	0.300 kg/m
5c x 4mm ²	08041 0400 05	40 Amps	17mm	0.450 kg/m
5c x 6mm ²	08041 0600 05	52 Amps	20.5mm	0.580 kg/m
5c x 10mm ²	08041 1000 05	71 Amps	26.5mm	1.070 kg/m
5c x 16mm ²	08041 1600 05	96 Amps	30.1mm	1.470 kg/m
5c x 25mm ²	08041 2500 05	127 Amps	36.1mm	2.170 kg/m
7c x 1.5mm ²	08041 0150 07	14 Amps	16.5mm	0.340 kg/m
7c x 2.5mm ²	08041 0250 07	20 Amps	18.5mm	0.470 kg/m
12c x 1.5mm ²	08041 0150 12	11 Amps	19.5mm	0.460 kg/m
12c x 2.5mm ²	08041 0250 12	15 Amps	22.5mm	0.680 kg/m
19c x 1.5mm ²	08041 0150 19	9 Amps	23.5mm	0.740 kg/m
19c x 2.5mm ²	08041 0250 19	13 Amps	27.5mm	1.070 kg/m
24c x 1.5mm ²	08041 0150 24	8 Amps	26.5mm	0.940 kg/m
24c x 2.5mm ²	08041 0250 24	13 Amps	31mm	1.350 kg/m
27c x 1.5mm ²	08041 0150 27	8 Amps	29mm	1.160 kg/m
27c x 2.5mm ²	08041 0250 27	13 Amps	34mm	1.450 kg/m
37c x 1.5mm ²	08041 0150 37	7 Amps	31.5mm	1.300 kg/m