

H07RN-F 750V SOOW / 600V



Portable Cord -40°C + 90°C UL CSA MSHA <HAR> Extra Hard Usage - High Grade Mechanical Service



SPECIFICATIONS & STANDARDS

UL 62/HD 22.154

CONSTRUCTION:

- Conductors:** Stranded bare copper with ASTM B 174 and UL 62; IEC 60228
- Insulation:** EPR 90°C compound class 3, table 8, HD 22.154 and UL 62
- Assembly:** Insulated conductors are assembled round
- Separator:** Paper tape or talc for 18-10 AWG
- Jacket:** Black CPE 90°C compound class 1.4, table 11, HD 22.154, UL 62, integral fill jacket
- Color code:** HD 308, DIN VDE 0293-308; 3/c: green/yellow, blue, brown; 4/c: green/yellow, brown, black, grey;

FEATURES	APPLICATION
<ul style="list-style-type: none"> - Sunlight, water, solvents, ozone, weather and oil resistance - Temperature range: -40°C to +90°C - Flame test VW-1 FT2 and MSHA - Suitable for shallow water immersion 	<ul style="list-style-type: none"> - Industrial and processing equipment, cranes and hoists, track systems, tools, construction equipment, motors and associated machinery, garage portable lights, battery charger and equipment exposed to oils, solvents, flame, moisture and other electrical equipment.

APPROVALS:

- UL:** E123366
- CSA:** 1534535 (LL 103932)
- MSHA:** P-7K-254013
- BBJ:** <HAR>

Part Number	Conductor Size	No. of Conductors	Power Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal O.D.		Approx. Weight lbs/1000 ft	Ampacity ⁽¹⁾ 30°C Ambient Temp. A
	AWG			No. of Stranding	inches	mm	inches	mm	inches		
SOOW/H07RN-F18-3 SOOW/H07RN-F18-4	18	3/C 4/C	30 / 0.197	0.032 / 0.030	0.81 / 0.76	0.063 / 0.060 0.085 / 0.080	1.60 / 1.52 2.16 / 2.03	0.400 0.476	10.2 12.1	84 96	7.0 5.6
SOOW/H07RN-F16-3 SOOW/H07RN-F16-4	16	3/C 4/C	30 / 0.248	0.032 / 0.030	0.81 / 0.76	0.070 / 0.067 0.085 / 0.080	1.78 / 1.70 2.16 / 2.03	0.449 0.516	11.4 13.1	99 125	10.0 8.0
SOOW/H07RN-F14-3 SOOW/H07RN-F14-4	14	3/C 4/C	47 / 0.248	0.047 / 0.045	1.19 / 1.14	0.085 / 0.080	2.16 / 2.03 2.54 / 2.41	0.594 0.671	15.1 17.0	183 216	15.0 12.0
SOOW/H07RN-F12-3 SOOW/H07RN-F12-4	12	3/C 4/C	51 / 0.297	0.047 / 0.045	1.19 / 1.14	0.100 / 0.095	2.54 / 2.41	0.681 0.736	17.3 18.7	249 300	20.0 16.0
SOOW/H07RN-F10-3 SOOW/H07RN-F10-4	10	3/C 4/C	77 / 0.297	0.047 / 0.045	1.19 / 1.14	0.100 / 0.095	2.54 / 2.41	0.724 0.791	18.4 20.1	304 366	25.0 20.0
SOOW/H07RN-F8-3 SOOW/H07RN-F8-4	8	3/C 4/C	74 / 0.397	0.062 / 0.060	1.57 / 1.52	0.125 / 0.120	3.43 / 3.30 3.56 / 3.43	0.902 0.984	22.9 25.0	537 651	40.0 35.0

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

TF CABLE FLEXTREME (COND) (SIZE) (mm²) (UL) SOOW E123366 90C SUN & WATER RES 600V CSA SOOW 90C LL 103932 FT2 -40C P-7K-254013 MSHA <HAR> H07RN-F ROHS