

# 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; 5/c: green/yellow, blue, brown, black, grey

FEATURES	APPLICATION
<ul style="list-style-type: none"> <li>- Sunlight, water, solvents, ozone, weather and oil resistance</li> <li>- Temperature range: -40°C to +90°C</li> <li>- Flame test VW-1 FT2 and MSHA</li> <li>- Suitable for shallow water immersion</li> </ul>	<ul style="list-style-type: none"> <li>- 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.</li> </ul>

### 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	Ampacity <sup>(1)</sup> 30°C Ambient Temp.
				inches	mm	inches	mm	inches	mm		
SOOW/H07RN-F18-3	18	3/C	30 / 0.197	0.032 / 0.030	0.81 / 0.76	0.063 / 0.060	1.60 / 1.52	0.400	10.2	84	7.0
SOOW/H07RN-F18-4		4/C				0.085 / 0.080	2.16 / 2.03	0.476	12.1	96	5.6
SOOW/H07RN-F16-3	16	3/C	30 / 0.248	0.032 / 0.030	0.81 / 0.76	0.070 / 0.067	1.78 / 1.70	0.449	11.4	99	10.0
SOOW/H07RN-F16-4		4/C				0.085 / 0.080	2.16 / 2.03	0.516	13.1	125	8.0
SOOW/H07RN-F14-3	14	3/C	47 / 0.248	0.047 / 0.045	1.19 / 1.14	0.085 / 0.080	2.16 / 2.03	0.594	15.1	183	15.0
SOOW/H07RN-F14-4		4/C					2.54 / 2.41	0.671	17.0	216	12.0
SOOW/H07RN-F12-3	12	3/C	51 / 0.297	0.047 / 0.045	1.19 / 1.14	0.100 / 0.095	2.54 / 2.41	0.681	17.3	249	20.0
SOOW/H07RN-F12-4		4/C					0.736	18.7	300	16.0	
SOOW/H07RN-F10-3	10	3/C	77 / 0.297	0.047 / 0.045	1.19 / 1.14	0.100 / 0.095	2.54 / 2.41	0.724	18.4	304	25.0
SOOW/H07RN-F10-4		4/C					0.791	20.1	366	20.0	
SOOW/H07RN-F8-3	8	3/C	74 / 0.397	0.062 / 0.060	1.57 / 1.52	0.125 / 0.120	3.43 / 3.30	0.902	22.9	537	40.0
SOOW/H07RN-F8-4		4/C					3.56 / 3.43	0.984	25.0	651	35.0

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

### STANDARD PRINT LEGEND:

TF CABLE FLEXTREME (COND) (SIZE) (mm<sup>2</sup>) (UL) SOOW E123366 90C SUN & WATER RES 600V CSA SOOW 90C LL 103932 FT2 -40C P-7K-254013 MSHA <HAR> H07RN-F ROHS