

H07RN-F 750V S00W/600V

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



PRODUCT DATA SHEET

Features

- Sunlight, water, solvents, ozone, weather and oil resistance
- Temperature range: -40°C to +90°C
- Flame test FT2 and MSHA
- Suitable for shallow water immersion



CONSTRUCTION

Specifications & Standards	UL 62/HD 22.154
Conductor	Stranded bare copper with ASTM B 174 and UL 62; IEC 60228
Separator	Paper tape for 12-8 AWG
Insulation	EPR 90°C compound class 3, table 8, HD 22.154 and UL 62
Assembly Separator	Insulated conductors are assembled round Polyester tape for 18-8 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
Print Legend	Ascent 12 AWG (3.31mm ²) UL S00W E486041 90C Sun & Water Res 600V CSA S00W 90C LL268042 FT2 -40C P-7K-254013 MSHA Ascent <HAR> H07RN-F RoHS
Approvals	UL E486041 CSA LL268042 MSHA P-7K-254013 <HAR>



Part Number	Conductor Size AWG	No. of Conductors	Power Conductor Stranding No. of Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal O.D.		Approx. Weight lbs/1000 ft	Ampacity ¹ 30°C Ambient Temp. A
				inches	mm	inches	mm	inches	mm		
S00W/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
S00W/H07RN-F18-4		4/C				0.085 / 0.080	2.16 / 2.03	0.476	12.1	96	5.6
S00W/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
S00W/H07RN-F16-4		4/C				0.085 / 0.080	2.16 / 2.03	0.516	13.1	125	8.0
S00W/H07RN-F14-3	14	3/C	47 / 0.248	0.047 / 0.045	1.19 / 1.14		2.16 / 2.03	0.594	15.1	183	15.0
S00W/H07RN-F14-4		4/C				0.085 / 0.080	2.54 / 2.41	0.671	17.0	216	12.0
S00W/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
S00W/H07RN-F12-4		4/C				0.100 / 0.095	2.54 / 2.41	0.736	18.7	300	16.0
S00W/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
S00W/H07RN-F10-4		4/C				0.100 / 0.095	2.54 / 2.41	0.791	20.1	366	20.0
S00W/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
S00W/H07RN-F8-4		4/C				0.125 / 0.120	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

Applications: Industrial and processing equipment, cranes & hoists, track systems, tools, construction equipment, motors & associated machinery, garage portable lights, battery charger and equipment exposed to oils, solvents, flame, moisture and other electrical equipment.

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