



# SOOW/H07RN-F

## 750V

UL 62/CSA C22.2 No. 49 and EN 50525-2-21

Portable cord and control cable, Integral version

### APPLICATIONS

- 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
- Other industrial applications

### CONSTRUCTION

Conductors	Flexible stranded bare copper in accordance with UL 62, IEC 60228
Separator	Paper tape from 9AWG and above
Insulation	EPR thermosetting compound
Color code	3/C Green/Yellow, Blue, Brown 4/C Green/Yellow, Brown, Black, Grey 5/C Green/Yellow, Blue, Brown, Black, Grey
Cabling	Insulated conductors are assembled round without fillers
Separator	Polyester tape
Outer jacket	CPE thermosetting compound
Color of outer jacket	Black. Other colors available on request



### Features

Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water.	UV, sunlight, ozone, oil resistant
Temperature range -40°C to +90°C	Ink jet printed for easy identification

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## Approvals

(UL) & CUL:	E123366
MSHA:	P-7K-254013
BBJ:	<HAR>

Standard length cable packing	250, 500 or 1000 ft on drums. Other forms of packing and delivery are available on request
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Size	No of Cond.	Conductor Strand	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall diameter		Min Overall diameter		Max Overall diameter		Weight	Ampacity at 30°C in air <sup>1)</sup>
mm <sup>2</sup> (AWG)	N	Inch.	mm	Inch.	mm	Inch.	mm	Inch.	mm	Inch.	mm	mm	lbs /1000ft	A
1.04mm <sup>2</sup> (17 AWG)	2	32/0.2	0.032	0.81	0.063	1.60	0.363	9.2	0.35	8.89	0.39	9.91	75	10
	3	32/0.2	0.032	0.81	0.063	1.60	0.386	9.8	0.374	9.50	0.402	10.20	84	10
	4	32/0.2	0.032	0.81	0.063	1.60	0.412	10.5	0.400	10.16	0.445	11.3	99	7
2.63mm <sup>2</sup> (13 AWG)	5	32/0.2	0.032	0.81	0.080	2.03	0.479	12.2	0.465	11.81	0.516	13.1	139	5.6
	4	52/0.25	0.047	1.19	0.085	2.16	0.594	15.1	0.575	14.6	0.61	15.5	220	15
4.17 mm <sup>2</sup> (11 AWG)	3	57/0.3	0.047	1.19	0.095	2.41	0.628	15.9	0.610	15.5	0.638	16.2	253	25
	4	57/0.3	0.047	1.19	0.10	2.54	0.689	17.5	0.660	16.7	0.705	17.9	306	20
	5	57/0.3	0.047	1.19	0.10	2.54	0.748	19.0	0.72	18.3	0.783	19.9	368	16
6.63 mm <sup>2</sup> (9 AWG)	3	91/0.3	0.047	1.19	0.10	2.54	0.693	17.6	0.670	17.0	0.709	18	327	30
	4	91/0.3	0.047	1.19	0.10	2.54	0.752	19.1	0.725	18.4	0.787	20	394	25
	5	91/0.3	0.047	1.19	0.106	2.70	0.827	21.0	0.795	20.2	0.874	22.2	479	20
10.6 mm <sup>2</sup> (7 AWG)	3	82/0.4	0.062	1.57	0.135	3.43	0.917	23.3	0.909	23.0	0.953	24.2	572	40
	4	82/0.4	0.062	1.57	0.140	3.56	1.004	25.5	0.988	25.1	1.043	26.5	705	35
	5	82/0.4	0.062	1.57	0.142	3.60	1.091	27.7	1.080	27.4	1.146	29.1	841	28

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Size	No of Cond.	Conduc-tor Strand	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall diameter		Min Overall diameter		Max Overall diameter		Weight	Ampa-city at 30°C in air <sup>1)</sup>
mm <sup>2</sup> (AWG)		N	Inch.	mm	Inch.	mm	Inch.	mm	Inch.	mm	Inch.	mm	lbs /1000ft	A
16.8 mm <sup>2</sup> (5AWG)	5	133/0.4	0.062	1.57	0.154	3.9	1.270	32.3	1.252	31.8	1.311	33.3	1176	36

1) Ampacity - Based on continuous duty at 90°C conductor temperature  
 Ampacity values shown are for current carrying conductors. A grounding conductor, or one which carries only the unbalanced current from other conductors, is not counted in determining current carrying capacity

## Standard Print Legend

17 AWG <sup>1*)</sup> :	Above 17 AWG:
TF KABLE 3 17AWG (1,0MM <sup>2</sup> )/3C (UL) SOOW 600V 90°C E123366 c(UL) SOOW 600V 90°C FT2 --- BBJ < HAR > H07RN-F ROHS	TF KABLE 3 9AWG (6,0MM <sup>2</sup> )/5C (UL) SOOW 600V 90°C E123366 c(UL) SOOW 600V 90°C FT2 --- BBJ <HAR> H07RN-F CE ROHS

1\*) For 17AWG size "CE" mark is printed on the reel tags