



# SOOW/H07RN-F

## 750 V

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

# SOOW/H07RN-F

## 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
-------------------------------	--

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	Inch. 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
	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
4.17 mm <sup>2</sup> (11 AWG)	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
	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
6.63 mm <sup>2</sup> (9 AWG)	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
	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
10.6 mm <sup>2</sup> (7 AWG)	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

# SOOW/H07RN-F

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