SOOW/HO7RN-F

750 V

UL 62 and EN 50525-2-21

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 ASTM B-174 and UL 62 IEC 60228
Separator	Paper tape as needed
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 6/C Green/Yellow, other cores black with white numbering
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. Temperature range –40°C to +90°C. UV, sunlight, ozone, oil, resistan. Ink jet printed for easy identification. Flame test meets FT2, and MSHA.

Approvals

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

Meeting UL 62 and EN 50525-2-21

Part Number	mm² (AWG) Size	No of Cond.	Cond. Strand	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Overall diameter		Min Overall diameter		Max Overall diameter		Weight	Ampacity (1) 30°C Ambient Temp.
			N	**Inches**	**mm**	**Inches**	**mm**	**Inches**	**mm**	**Inches**	**mm**	**Inches**	**mm**	**kg/km**	**A**
SOOW/H07RN-F 17AWG-2	1,04 mm² (17 AWG)	2	32/0.2	0.032	0.81	0.063	1.6	0.363	9.2	0.35	8.89	0.39	9.91	112	10
SOOW/H07RN-F 17AWG-3		3	32/0.2	0.032	0.81	0.063	1.60	0.386	9.8	0.374	9.50	0.402	10.20	125	7
SOOW/H07RN-F 17AWG-4		4	32/0.2	0.032	0.81	0.063	1.60	0.412	10.5	0.400	10.16	0.445	11.3	147	5,6
SOOW/H07RN-F 17AWG-5		5	32/0.2	0.032	0.81	0.080	2.03	0.479	12.2	0.465	11.81	0.516	13.1	207	5,6
SOOW/H07RN-F 13AWG-4	2,63 mm² (13 AWG)	4	52/0.25	0.047	1.19	0.085	2.16	0.594	15.1	0.575	14.6	0.61	15.5	328	12
SOOW/H07RN-F 11AWG-3	4,17 mm² (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	377	20
SOOW/H07RN-F 11AWG-4		4	57/0.3	0.047	1.19	0.10	2.54	0.689	17.5	0.660	16.7	0.705	17.9	456	16
SOOW/H07RN-F 11AWG-5		5	57/0.3	0.047	1.19	0.10	2.54	0.748	19.0	0.72	18.3	0.783	19.9	548	16
SOOW/H07RN-F 9AWG-3	6,63 mm² (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	487	25
SOOW/H07RN-F 9AWG-4		4	91/0.3	0.047	1.19	0.10	2.54	0.752	19.1	0.725	18.4	0.787	20	587	20
SOOW/H07RN-F 9AWG-5		5	91/0.3	0.047	1.19	0.106	2.70	0.827	21.0	0.795	20.2	0.874	22.2	713	20
SOOW/H07RN-F 7AWG-3	10,6 mm² (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	852	35
SOOW/H07RN-F 7AWG-4		4	82/0.4	0.062	1.57	0.140	3.56	1.004	25.5	0.988	25.1	1.043	26.5	1050	28
SOOW/H07RN-F 7AWG-5		5	82/0.4	0.062	1.57	0.142	3.60	1.091	27.7	1.080	27.4	1.146	29.1	1251	28

(1) Ampacity – Free air measured; Based on continuous duty at 90 °C conductor temperature
For four and five conductor cables 3 conductors are current-carrying.

Standard print legend

17AWG 1*):	**Above 17AWG:**
TF KABLE 3 17AWG (1,0mm²)/3C (UL) SOOW 600V 90°C E123366 c(UL) SOOW 600V 90°C FT2 --- BBJ < HAR > H07RN-F ROHS	TF KABLE 3 9AWG (6,0mm²)/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*

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