

A07RN-F 450/750 Volts



A07RN-F is a VDE approved and Authorized national, heavy-duty, flexible, rubber insulated, black neoprene jacketed, multi-conductor European cord. Recommended for use in electrical equipment under medium mechanical stress in a dry or damp indoor or outdoor environment. Commonly used on equipment in industry works such as boilers, heating plates, hand lamps, electric tools (drills and circular saws), in homework tools and transportable motors or machines at site. Also suitable for fixed installations on plaster, temporary buildings and residential barracks. **A07RN-F** is also suitable for direct laying on components and mechanical parts of machines in lifts and cranes. Max operating voltage in single or three phase system is Uo/U 476/825 volts. In a direct current system max operating voltage is Uo/U 619/1238 volts. If in a fixed or protected installation Uo/U is 600/1000 volts.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Rubber core insulation to VDE-0282 Part-1
- Color code VDE-0293-308
- 3,4,& 5 cores cables - NO green/yellow ground
- Polychloroprene rubber (neoprene) jacket
- Ozone & weather resistant
- Oil & fat resistant to touch

Technical:

- Working voltage: 450/750 volts
- Test voltage: 2500 volts
- Flexing bending radius: 7.5 x Ø
- Fixed bending radius: 4.0 x Ø
- Temp Range: -30° C to +60° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- Authorized national to A07RN-F
- VDE-0282 Part-4
- CE low voltage directive 73/23/EEC & 93/68/EEC.
- IEC 60245-4
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
16 AWG (30/30) 1,50mm²				
4121603*	3	0.362 - 0.469" / 9.2 - 11.9mm	29	111
4121604*	4	0.402 - 0.516" / 10.2 - 13.1mm	39	152
4121605*	5	0.441 - 0.567" / 11.2 - 14.4mm	48	208
4121607	7	0.551 - 0.689" / 14.0 - 17.5mm	68	248
4121612	12	0.693 - 0.882" / 17.6 - 22.4mm	116	349
4121619	19	0.846 - 1.004" / 21.5 - 25.5mm	184	537
4121627	27	1.004 - 1.240" / 25.5 - 31.5mm	258	738
14 AWG (50/30) 2,50mm²				
4121403*	3	0.429 - 0.551" / 10.9 - 14.0mm	48	158
4121407	7	0.650 - 0.787" / 16.5 - 20.0mm	113	335
4121412	12	0.811 - 1.031" / 20.6 - 26.2mm	193	483
4121419	19	0.984 - 1.161" / 25.0 - 29.5mm	306	738
4121424	24	1.134 - 1.433" / 28.8 - 36.4mm	386	905
4121427	27	1.181 - 1.457" / 30.0 - 37.0mm	429	1020
4121437	37	1.339 - 1.476" / 34.0 - 37.5mm	483	1301
12 AWG (56/28) 4,00mm²				
4121203*	3	0.500 - 0.638" / 12.7 - 16.2mm	77	215
10 AWG (84/28) 6,00mm²				
4121003*	3	0.555 - 0.709" / 14.1 - 18.0mm	116	332
8 AWG (80/26) 10,0mm²				
4120803*	3	0.752 - 0.953" / 19.1 - 24.2mm	193	590
4120804*	4	0.823 - 1.043" / 20.9 - 26.5mm	258	714
6 AWG (128/26) 16,0mm²				
4120603*	3	0.858 - 1.087" / 21.8 - 27.6mm	309	734
4120604*	4	0.937 - 1.185" / 23.8 - 30.1mm	412	919

* 3, 4 and 5 core constructions have **NO** green/yellow ground wire

** Additional AWG/MCM sizes and core counts may be available.