

H05RN-F

HAR, Rubber/Neoprene, Medium-Duty, 500V



H05RN-F is a harmonized, medium duty, flexible, rubber insulated, black neoprene jacketed multi-conductor 500V. European cord. Recommended for use in electrical equipment under low stress in dry, damp or wet areas in indoor or outdoor environments. Commonly used as a connection cable in horticulture tools or workshop tools that might be subject to or in contact with oils and fats. Also suitable for fixed installation in furniture, decorative coverings, wall partitions and pre-fabricated building parts. Max operating voltage in a single or three phase system is U_o/U 318/550 volts. In a direct current system, max operating voltage is U_o/U 413/825 volts. The rubber neoprene outer jacket is weather and ozone resistant making this cable suitable for outdoor use.

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 and HD 186
- Polychloroprene rubber (neoprene) jacket
- Ozone resistant
- Oil & fat resistant to touch

Technical:

- Temp Range: -25° C to +60° C
- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 7.5 x Ø
- Fixed bending radius: 4.0 x Ø
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- <HAR> HD22.4 S3
- VDE-0282 Part-4
- CE Low Voltage Directive 2014/35/EU
- IEC 60245-4
- ROHS compliant

PARTNUMBER	CORES	NOMINAL Ø (in)	NOMINAL Ø (mm)	CULBSMFT	WTLBSMFT
18 AWG (24/32) 0,75mm²					
4111802	2	0.256"	6.5mm	10	40
4111803	3	0.280"	7.1mm	14	50
4121804	*	0.346"	8.8mm	20	70
4111805	5	0.390"	9.9mm	24	76
17 AWG (32/32) 1,00mm²					
4111702	2	0.280"	7.1mm	13	50
4111703	3	0.295"	7.5mm	19	57
4111704	4	0.323"	8.2mm	25	70
16 AWG (30/30) 1,50mm²					
4111602	2	0.343"	8.7mm	19	77
4111603	3	0.362"	9.2mm	29	91
4111604	**	0.406"	10.3mm	39	111
4111605	**	0.441"	11.2mm	48	127

* Not a VDE Recognized size. Adapted to National Type (A)05RN-F

** Not a HAR Recognized size. Adapted to VDE Type (H)05RN-F

*** For sizes larger than #16 AWG (1,50mm²) see H07RN-F (410)

