



EASTFUL



## • Application

The H05RN-F low voltage medium duty rubber sheathed power cable is suitable for a variety of applications requiring flexibility and durability, especially in mobile or semi-mobile indoor/outdoor appliances subject to low mechanical stress, such as household electricals and portable tools. It is particularly well-suited for use in automatic machines due to its excellent stripping force performance. Additionally, it exhibits good resistance to incidental oil or grease contact.

## • Performance

Rating voltage: 300/500V  
 Operating Temperature Rating: -40°C to +60°C  
 Minimum Installation and Use Temperature: -25°C  
 Maximum Temperature of Short Circuit: +200°C  
 Minimum Bending Radius:  
 Fixed: 4 x overall diameter  
 Mobile: 6 x overall diameter

## • Construction

Conductor: Flexible bare copper Class 5.  
 Insulation: EPR (Ethylene Propylene Rubber) EI4  
 Sheath: PCP (Polychloroprene) EM2  
 Sheath Color: Black (Other colors available upon request)  
 Core Identification:  
 2 cores (X): Brown + Blue  
 3 cores (G): Green-Yellow + Brown + Blue  
 3 cores (X): Brown + Black + Grey  
 4 cores (G): Green-Yellow + Brown + Black + Grey  
 4 cores (X): Blue + Brown + Black + Grey  
 5 cores (G): Green-Yellow + Blue + Brown + Black + Grey  
 5 cores (X): Blue + Brown + Black + Grey + Black

## • Specification

-DIN VDE 0282-4 (Cables of rated voltages up to and including 450/750 V and having thermoplastic insulation - Part 4: Rubber-insulated Cords and Flexible Cables)  
 -CE Low Voltage Directive 2014/35/EU  
 -IEC 60245-4  
 -RoHS compliant  
 -Flame retardant to CEI 20-19/4 (HD 22.4-EN 50525-2-21), RoHS 2011/65/UE

## • Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction. CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

## • Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



## • National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

\*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

No. of Conductor	Conductor		Insulation Thickness	Sheath Thickness	Reference Dia.	Max. Conductor Resistance at 20°C	
	Nominal Cross Section Area	Strand Size				Bare	Tinned
-	mm <sup>2</sup>	No./mm	mm	mm	mm	Ω/km	Ω/km
1	0.75	24/0.20	0.8	0.8	4.45±0.1	26	26.7
1	1	32/0.20	0.8	0.8	4.45±0.1	19.5	20
1	1.5	30/0.25	0.8	0.8	4.9±0.1	13.3	13.7
2	0.75	24/0.20	0.6	0.8	6.5±0.15	26	26.7
2	1	32/0.20	0.6	0.9	7.0±0.15	19.5	20
3	0.75	24/0.20	0.6	0.9	7.1±0.15	26	26.7
3	1	32/0.20	0.6	0.9	7.4±0.15	19.5	20