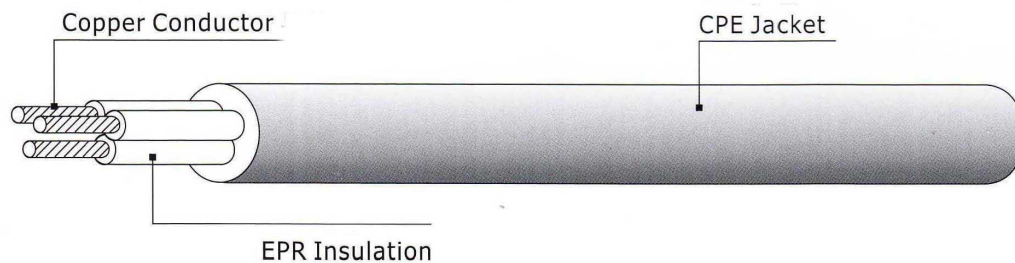


## Datasheet

# RS PRO H07RN-F Cable

**RS Stock No:821-3245**



### 1.Application:

The cables are used as electrical connect line or wiring in power installation, household appliances, electrically operated tools, construction lighting and machines inner rated voltage A.C 450/750V or below.

### 2.Product Description:

**Type:** H07RN-F

**Rated Voltage:** 450/750V

**Rated Temperature:** 60°C

**Conductor Material:** Bare stranded copper

**Insulation Material:** EPR

**Color of insulation:**

- 2 cord: Blue and Brown
- 3 cord: Yellow/Green, Blue and Brown
- 4 cord: Yellow/Green, Blue, Brown and Black
- 5 cord: Yellow/Green, Blue, Brown, Black and Gray

**Jacket Material:** CPE

**Color of jacket:** Black

**Excutive standard:** VDE-0285-525-2-21

### 3. Technique Parameter:

RS Stock No	Description no of cores x section	Conductor construction (±0.03mm)	Insulation normal thickness (mm)	Jacket normal thickness (mm)	Jacket diameter for reference (mm)	Conductor D.C. resistance at 20°C ( ≤ohms/km)
7213235	H07RNF 2X1.0mm <sup>2</sup> 50M	32/0.193	0.8	1.3	8.3±0.4	19.5
7739020	H07RNF 2X1.0mm <sup>2</sup> 100M	32/0.193	0.8	1.3	8.3±0.4	19.5
7739023	H07RNF 2X1.5mm <sup>2</sup> 50M	30/0.24	0.8	1.5	9.3±0.4	13.3
7739039	H07RNF 2X1.5mm <sup>2</sup> 100M	30/0.24	0.8	1.5	9.3±0.4	13.3
7739027	H07RNF 2X2.5mm <sup>2</sup> 50M	49/0.24	0.9	1.7	11.0±0.4	7.98
7739036	H07RNF 2X2.5mm <sup>2</sup> 100M	49/0.24	0.9	1.7	11.0±0.4	7.98
7739042	H07RNF 3X1.5mm <sup>2</sup> 50M	30/0.24	0.8	1.6	10.1±0.4	13.3
7739045	H07RNF 3X1.5mm <sup>2</sup> 100M	30/0.24	0.8	1.6	10.1±0.4	13.3
7739033	H07RNF 3X2.5mm <sup>2</sup> 50M	49/0.24	0.9	1.8	11.8±0.4	7.98
7739049	H07RNF 3X2.5mm <sup>2</sup> 100M	49/0.24	0.9	1.8	11.8±0.4	7.98
7739058	H07RNF 3X4.0mm <sup>2</sup> 50M	56/0.29	1.0	1.9	13.5±0.5	4.95
7739051	H07RNF 3X4.0mm <sup>2</sup> 100M	56/0.29	1.0	1.9	13.5±0.5	4.95
8213239	H07RNF 3X6.0mm <sup>2</sup> 50M	84/0.29	1.0	2.1	15.4±0.5	3.3
7739055	H07RNF 3X6.0mm <sup>2</sup> 100M	84/0.29	1.0	2.1	15.4±0.5	3.3
7739067	H07RNF 4X1.5mm <sup>2</sup> 50M	30/0.24	0.8	1.7	11.1±0.4	13.3
7739061	H07RNF 4X1.5mm <sup>2</sup> 100M	30/0.24	0.8	1.7	11.1±0.4	13.3
7739064	H07RNF 4X2.5mm <sup>2</sup> 50M	49/0.24	0.9	1.9	13.0±0.4	7.98
7739070	H07RNF 4X2.5mm <sup>2</sup> 100M	49/0.24	0.9	1.9	13.0±0.4	7.98
7739073	H07RNF 4X4.0mm <sup>2</sup> 50M	56/0.29	1.0	2.0	15.2±0.5	4.95
7739077	H07RNF 4X4.0mm <sup>2</sup> 100M	56/0.29	1.0	2.0	15.2±0.5	4.95
8213248	H07RNF 5X1.5mm <sup>2</sup> 50M	30/0.24	0.8	1.8	12.2±0.5	13.3
7739086	H07RNF 5X1.5mm <sup>2</sup> 100M	30/0.24	0.8	1.8	12.2±0.5	13.3
8213241	H07RNF 5X2.5mm <sup>2</sup> 50M	49/0.24	0.9	2.0	14.4±0.5	7.98
7739089	H07RNF 5X2.5mm <sup>2</sup> 100M	49/0.24	0.9	2.0	14.4±0.5	7.98
8213245	H07RNF 5X4.0mm <sup>2</sup> 50M	56/0.29	1.0	2.2	16.9±0.5	4.95
7739083	H07RNF 5X4.0mm <sup>2</sup> 100M	56/0.29	1.0	2.2	16.9±0.5	4.95
8213254	H07RNF 5X6.0mm <sup>2</sup> 50M	84/0.29	1.0	2.5	19.1±0.6	3.3
7739092	H07RNF 5X6.0mm <sup>2</sup> 100M	84/0.29	1.0	2.5	19.1±0.6	3.3

**Remark:** Conductor diameter just for your reference, the key test is resistance of conductor.

#### 4. Cable Marking:

**Example:**

<VDE> 40015999 H07RN-F 450/750V 2x1.0mm<sup>2</sup> +Meter marking

<VDE> 40015999 H07RN-F 450/750V 3G1.5mm<sup>2</sup> +Meter marking

<VDE> 40015999 H07RN-F 450/750V 4G4.0mm<sup>2</sup> +Meter marking

<VDE> 40015999 H07RN-F 450/750V 5G6.0mm<sup>2</sup> +Meter marking

**Note: Conductor's section will be varied according to real situation from 1.0mm<sup>2</sup> to 6.0mm<sup>2</sup>**