



# H07RN-F BS EN 50525-2-21

## Unscreened Multicore Flexible Rubber Cable



### Voltage Drop

Nominal Cross Sectional Area mm <sup>2</sup>	DC or Single-Phase AC mV/A/m	Three-Phase AC mV/A/m
1	46	40
1.5	32	27
2.5	19	16

Conductor operating temperature: 60°C

### Electrical Characteristics (4mm<sup>2</sup> and above)

#### Current Carrying Capacity

Nominal Cross Sectional Area mm <sup>2</sup>	60°C Conductor Operating Temperature			85°C Conductor Operating Temperature		
	Single-Phase AC or DC		Three-Phase AC	Single-Phase AC or DC		Three-Phase AC
	1 Two Core Cable, With or Without Protective Conductor Amps	2 Single Core Cables Amps	1 Three Core, Four Core or Five Core Cable Amps	1 Two Core Cable, With or Without Protective Conductor Amps	2 Single Core Cables Touching Amps	1 Three Core, Four Core or Five Core Cable Amps
4	30	-	26	41	-	36
6	39	-	34	53	-	47

Ambient temperature : 30°C

Conductor operating temperature : 60°C / 85°C

### Voltage Drop

Nominal Cross Sectional Area mm <sup>2</sup>	Two Core Cable, DC mV/A/m	Two Core Cable, Single-Phase AC mV/A/m	1 Three Core, Four Core or Five Core Cable, Three-Phase AC mV/A/m
4	12	12	10
6	7.8	7.8	6.7

Conductor operating temperature: 60°C

### De-Rating Factors:

Ambient Temperature	+35°C	+40°C	+45°C	+50°C	+55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

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### Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000946	3	6	1	14.78	390
PP000947	4	1	0.8	9.63	142
PP000948	4	1	0.8	9.63	142
PP000949	4	6	1	16.4	449
PP000950	5	1.5	0.8	11.8	206
PP000951	5	1.5	0.8	11.8	206
PP000952	5	2.5	0.9	14	297
PP000953	5	4	1	16.2	422
PP000954	7	1.5	0.8	15.13	315

### Part Number Table

Description	Reel Length (m)	Part Number
H07RN-F BS EN 50525-2-21 Unscreened Multicore Flexible Rubber Cable	50	PP000946
	100	PP000947
	50	PP000948
	50	PP000949
	100	PP000950
	50	PP000951
	50	PP000952
	50	PP000953
	50	PP000954

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