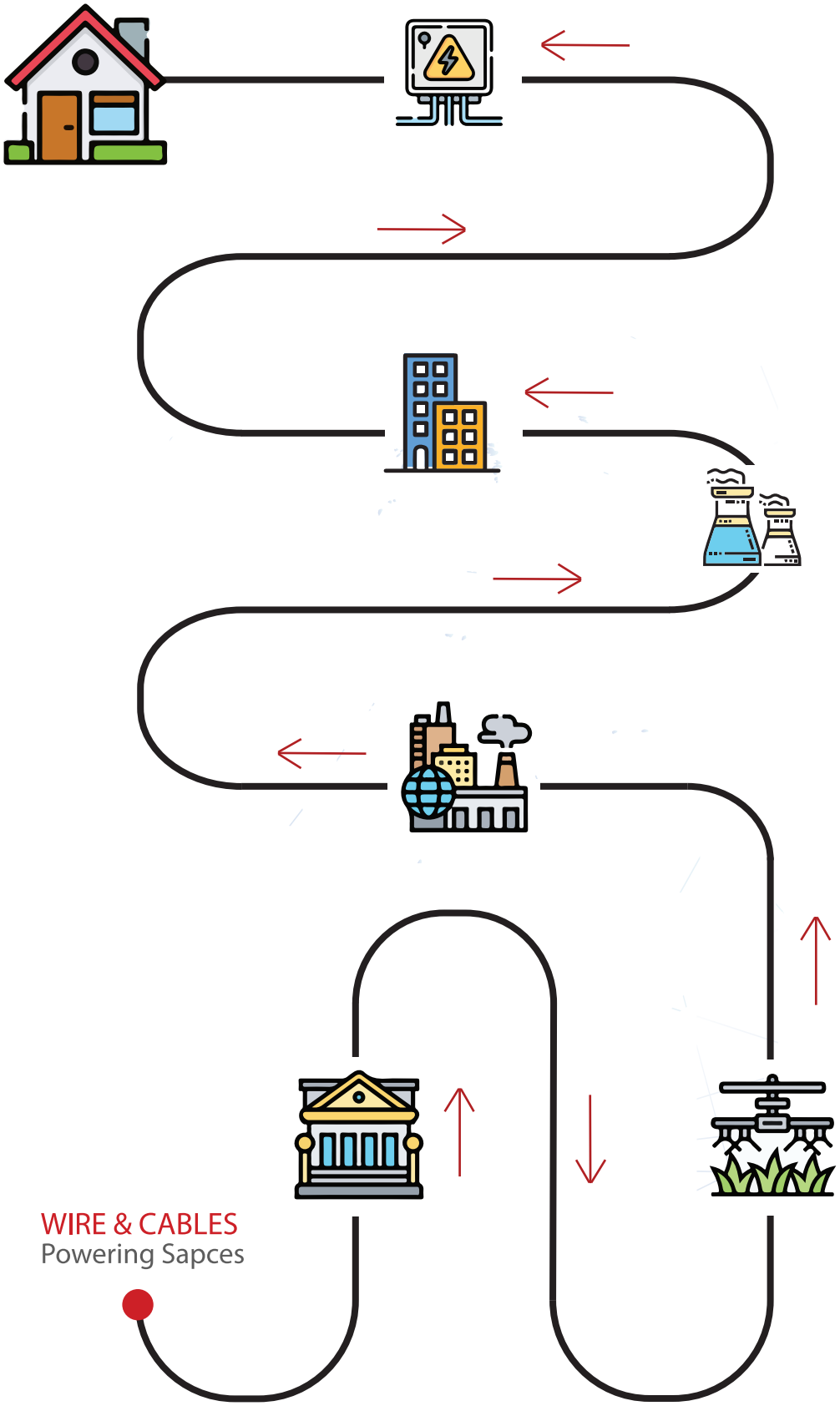
ROLSON®
WIRES & CABLES

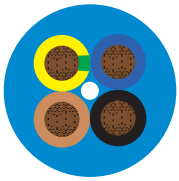
Product Catalogue

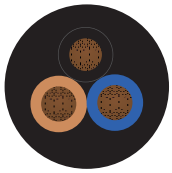


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IS : 694
CM/L - 7500269814

H07RN-F CABLES







Cable Standard

Generally conforms to EN-50525-2-21, DIN VDE 0282 part 810,IEC 245

Cable Features

- Special heat resistant insulation
- High current carrying capacity
- Less heat energy radiation
- Longer life
- High compatibility of cores
- Excellent resistant to moisture, abrasion, grace, oil
- Excellent mechanical & electrical properties
- Insulation is highly thermal stable
- Harmonized acc. to European standards

Standard Packing

Coils 100, 200,500 and 1000m

Conductor	:	Flexible bare Class 5 copper conductor according to DIN VDE 0295,IEC 60228
Insulation	:	Rubber Type EI-4 to VDE 0282 Part-1
Sheath	:	Neoprene Jacket Rubber Type EM-2
Colour	:	White, Black, Blue or as per customer order

Technical Data

Working Temp	:	-25°C to 70°C
Operating Temp	:	-20°C to max. +90°C
Nominal Voltage	:	450/750 V
Test Voltage	:	2500V
Min. Bending Radius	:	6 x cable Diameter
Flame propagation	:	Flame retardant test as per IEC 60332-1-2

Core Identification

1 Core - Black
2 Core - Blue & Brown
3 Core - Yellow/green, Blue, Brown
4 Core - Yellow/green, Blue, Brown, Black or Yellow/Green, Brown, Black, Grey
5 Core - Yellow/Green, Blue, Brown, Black and Grey

Application

H07RN-F rubber insulated and sheathed cables are intended for flexible connection to electrical equipment. They are suitable for both indoor and outdoor use in industrial and agricultural plant and on construction sites

Number of Cores & Cross Sectional Area of Conductor	Nominal Insulation Thickness	Nominal Thickness of Sheath	Mean Overall Dimeter		Max Conductor Resistance at 20°C	Number of Cores & Cross Sectional Area of Conductor	Nominal Insulation Thickness	Nominal Thickness of Sheath	Mean Overall Dimeter		Max Conductor Resistance at 20°C
			Lower Limit	Outer Limit					Lower Limit	Outer Limit	
n x sqmm						sq.mm					
1x1.5	0.8	1.4	5.7	7.1	13.3	3x35	1.4	4.1	29.3	37.1	0.554
1x2.5	0.9	1.4	6.3	7.9	7.98	3x50	1.6	4.5	34.1	42.9	0.386
1x4	1	1.5	7.2	9	4.95	3x70	1.6	4.8	38.4	48.3	0.272
1x6	1	1.6	7.9	9.8	3.30	3x95	1.8	5.3	43.3	54	0.206
1x10	1.2	1.8	9.5	11.9	1.91	3x120	1.8	5.6	47.4	60	0.161
1x16	1.2	1.9	10.8	13.4	1.21	3x150	2	6	52	66	0.129
1x25	1.4	2	12.7	15.8	0.780	3x185	2.2	6.4	57	72	0.106
1x35	1.4	2.2	14.3	17.9	0.554	3x240	2.4	7.1	65	82	0.0801
1x50	1.6	2.4	16.5	20.6	0.386	3x300	2.6	7.7	72	90	0.0641
1x70	1.6	2.6	18.6	23.3	0.272	4x1	0.8	1.5	9.2	11.9	19.5
1x95	1.8	2.8	20.8	26	0.206	4x1.5	0.8	1.7	10.2	13.1	13.3
1x120	1.8	3	22.8	28.6	0.161	4x2.5	0.9	1.9	12.1	15.5	7.98
1x150	2	3.2	25.2	31.4	0.129	4x4	1	2	14	17.9	4.95
1x185	2.2	3.4	27.6	34.4	0.106	4x6	1	2.3	15.7	20	3.30
1x240	2.4	3.5	30.6	38.3	0.0801	4x10	1.2	3.4	20.9	26.5	1.91
1x300	2.6	3.6	33.5	41.9	0.0641	4x16	1.2	3.6	23.8	30.1	1.21
1x400	2.8	3.8	37.4	46.8	0.0486	4x25	1.4	4.1	28.9	36.6	0.780
1x500	3	4	41.3	52	0.0384	4x35	1.4	4.4	32.5	41.1	0.554
1x630	3	4.1	45.5	57	0.0287	4x50	1.6	4.8	37.7	47.5	0.386
2x1	0.8	1.3	7.7	10	19.5	4x70	1.6	5.2	42.7	54	0.272
2x1.5	0.8	1.5	8.5	11	13.3	4x95	1.8	5.9	48.4	61	0.206
2x2.5	0.9	1.7	10.2	13.1	7.98	4x120	1.8	6	53	66	0.161
2x4	1	1.8	11.8	15.1	4.95	4x150	2	6.5	58	73	0.129
2x6	1	2	13.1	16.8	3.30	4x185	2.2	7	64	80	0.106
2x10	1.2	3.1	17.7	22.6	1.91	4x240	2.4	7.7	72	91	0.0801
2x16	1.2	3.3	20.2	25.7	1.21	4x300	2.6	8.4	80	101	0.0641
2x25	1.4	3.6	24.3	30.7	0.780	5x1	0.8	1.6	10.2	13.1	19.5
3x1	0.8	1.4	8.3	10.7	19.5	5x1.5	0.8	1.8	11.2	14.4	13.3
3x1.5	0.8	1.6	9.2	11.9	13.3	5x2.5	0.9	2	13.3	17	7.98
3x2.5	0.9	1.8	10.9	14	7.98	5x4	1	2.2	15.6	19.9	4.95
3x4	1	1.9	12.7	16.2	4.95	5x6	1	2.5	17.5	22.2	3.30
3x6	1	2.1	14.1	18	3.30	5x10	1.2	3.6	22.9	29.1	1.91
3x10	1.2	3.3	19.1	24.2	1.91	5x16	1.2	3.9	26.4	33.3	1.21
3x16	1.2	3.5	21.8	27.6	1.21	5x25	1.4	4.4	32	40.4	0.780
3x25	1.4	3.8	26.1	33	0.780						

- All are class 5 flexible conductor
- Insulation grade is EI4
- Sheathing grade is EM2

Note:The number of wires and diameter mentioned in the table are approximate and nominal; however they shall meet the requirements of conductor resistance as per standards.In view of continuous improvements in our design and process, the information, Dimensions and specifications given herein are subject to change without notice.

ROLSON®
WIRES & CABLES

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