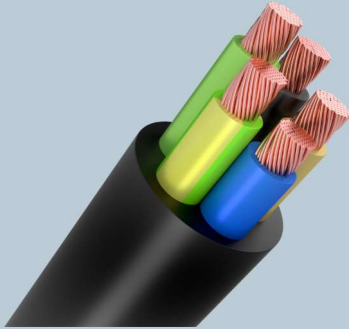


H07RN-F

FLEXIBLE RUBBER INSULATED CABLE

PROPERTIES



Nominal Voltage:	450/750V
Max. Voltage:	Fixed and protected insulation:1000V
Temperature Rating:	Fixed : -40°C to +60°C Fixed and protected : +85°C
Min. Bending Radius:	Fixed : $D < 8 D = 3D < 3D 12 = D < 20 = 4D D > 20 = 4D$ Free: $D < 8 D = 4D < 12 = 4D D < 5D = 20 > 20 = 6D$
Max. Pulling Stress:	Fixed: 50 N/mm ² Copper Dynamic Applications: 15 N/mm ²

APPLICATIONS

This cable is designed primarily as trailing cable for portable and mobile equipment where it is often subject to medium mechanical stress . These cables provide high flexibility and have the capacity to withstand weather, oil/grease, mechanical and thermal stresses. It is used in pumps, refrigerators, catering equipment, boilers, power tools, heating plates, portable lamps, motors, generators and other heavy mechanical electrical equipment. It is suitable for dry, humid or wet environments in open air.


CONSTRUCTION

Conductor:	Flexible class 5 copper
Insulation:	Ethylene Propylene Rubber (EPR)
Sheath:	Polychloroprene (PCP)
Sheath Colour:	Black

CORE IDENTIFICATION

Single Core :	Black
Two Cores :	Blue - Brown
Three Cores :	Brown - Black - Grey (or Y/G, Blue-Brown)
Four Cores :	Blue-Brown-Black-Grey (or Y/G instead of Blue)
Five Cores :	Y/G-Blue-Brown-Black-Grey
Multi-Cores :	Black with number markings

STANDARDS

- Ozone Resistant according to:
- CEI EN 60811-2-1 (Test method A)
- CEI EN 50396 (Test Method B)
- CEI EN 50525-2-21 CEI 20-107/2-21
- CEI 20-19/4 (CENELEC HD 22.4 S4)
- BS 7919:2001 NF C 32-102-4
- VDE 0282-4
- EN 50575:2014 + EN 50575/A1:2016
- SANS 1574-5
- SANS 1574-1
- CE <HAR> 

PACKAGING

Sold in full drums or cut to specification



H07RN-F

FLEXIBLE RUBBER INSULATED CABLE

Cores No	Cross Section	Approx. Conductor Diam.	Insulation Medium Thickness	Approx. External Production Diam.	Approx. Cable Weight	Electric Resistance at 20oC	Mobile Service Current Carrying Capacity at 60oC (conductor temp)	Current Carrying Rate for Fixed Installation at 85oC of conductor (temp. open air)
(N°)	(mm ²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)
FIVE CORES								
5G	1	1.3	0.8	11.0	168	19.5	10	16
5G	1.5	1.6	0.8	11.80	206	13.3	16	21
5G	2.5	2	0.9	13.95	297	7.98	20	29
5G	4	2.6	1.0	16.25	422	4.95	30	38
5G	6	3.4	1.0	18.07	567	3.3	38	50
5G	10	4.4	1.2	24.75	1010	1.91	54	68
5G	16	5.7	1.2	28.01	1400	1.21	71	92
5G	25	6.9	1.4	33.57	2096	0.78	94	122
5G	35	8.1	1.4	39.20	2697	0.554	114	150
5G	50	8.9	1.6	45.4	3740	0.386	143	182
5G	70	11.6	1.6	48.0	5033	0.272	178	232
5G	95	13.3	1.8	53.22	6271	0.206	210	281