H07RN-F Flexible Mains & Control Cable, EPR, PCP -1mm² to 630mm²



Description

Flexible EPR cable with high resistance to mechanical stress. Able to withstand water and weather. For use in fixed and temporary installation works on Work sites, mobile power supplies, ports and harbours, water treatment plants, sewage and drains, hot and cold areas and harsh industrial environments.

UV Resistant Sheath. For use in portable power supplies, site equipment, industrial machinery, and audio visual equipment. Can be cut to size for patch leads with a choice of fittings.

Key Features

Voltage Rating
Fixed: 0.6kV - 1kV
Flexing: 450/750 Volts

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexing: 6 x overall diameter

Flame Retardancy
IEC/EN 60332-1-2

Temperature Limits
Fixed: -30°C to +90°C
Flexing: -15°C to +90°C

Core Colours

2 core - Blue, Brown

3 core - Brown, Blue, Green Yellow

4 core - Brown, Blue, Grey, Green Yellow

5 core - Brown, Black, Grey, Blue, Green Yellow

6 core and above - Black with White numbers plus Green Yellow

Standards

- BS EN 50525-2-21
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228
- Conforms to H07RN-F

Construction

- **Conductor**: Class 5 flexible stranded copper conductor
- **Insulation**: Ethylene Propylene Rubber (EPR)
- **Outer Sheath**: Polychloroprene Rubber (CR)
- **Sheath Colour**: Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

CLEVELAND CABLE COMPANY

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

H07RN-F Flexible Mains & Control Cable, EPR, PCP -1mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Mean Overall Diameter (mm) Lower Limit	Mean Overall Diameter (mm) Upper Limit	Weight(Kg/Km)
3182P1	1	2	32/0.20	6.1	8	95
3183P1	1	3	32/0.20	6.5	8.5	115
3184P1	1	4	32/0.20	7.1	9.3	140
3182P1/5	1.5	2	30/0.25	7.6	9.8	132
3183P1/5	1.5	3	30/0.25	8	10.4	165
3184P1/5	1.5	4	30/0.25	9	11.6	200
3185P1/5	1.5	5	30/0.25	11.2	14.4	240
3187P1/5	1.5	7	30/0.25	14.6	18.2	385
3180/12P1/5	1.5	12	30/0.25	17.6	22.4	520
3180/19P1/5	1.5	19	30/0.25	21	26	700
3180/27P1/5	1.5	27	30/0.25	25.3	30	920
3180/37P1/5	1.5	37	30/0.25	29	34.2	1260
3182P2/5	2.5	2	50/0.25	9	11.6	193
3183P2/5	2.5	3	50/0.25	9.6	12.4	235
3184P2/5	2.5	4	50/0.25	10.7	13.8	290
3185P2/5	2.5	5	50/0.25	13.3	17	345
3187P2/5	2.5	7	50/0.25	17.2	21	520
3180/12P2/5	2.5	12	50/0.25	20.6	26.2	810
3181P4	4	1	56/0.30	7.2	9	94
3182P4	4	2	56/0.30	11.8	15.1	275
3183P4	4	3	56/0.30	12.7	16.2	320
3184P4	4	4	56/0.30	14	17.9	395
3185P4	4	5	56/0.30	15.6	19.9	485
3187P4	4	7	56/0.30	19.8	24.4	773
6381P6	6	1	84/0.30	7.9	9.8	130
6382P6	6	2	84/0.30	13.1	16.8	350
6383P6	6	3	84/0.30	14.1	18	495
6384P6	6	4	84/0.30	15.7	20	610
6385P6	6	5	84/0.30	17.5	22.9	760
6387P6	6	7	84/0.30	21.6	26.9	904
6381P10	10	1	80/0.40	9.5	11.9	230
6382P10	10	2	80/0.40	17.7	22.6	640
6383P10	10	3	80/0.40	19.1	24.2	880
6384P10	10	4	80/0.40	20.9	26.5	1060
6385P10	10	5	80/0.40	22.9	29.1	1300
6381P16	16	1	126/0.40	10.8	13.4	320
6382P16	16	2	126/0.40	20.2	25.7	850

31196

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Mean Overall Diameter (mm) Lower Limit	Mean Overall Diameter (mm) Upper Limit	Weight(Kg/Km)
6383P16	16	3	126/0.40	21.8	27.6	1090
6384P16	16	4	126/0.40	23.8	30.1	1345
6385P16	16	5	126/0.40	26.4	33.3	1680
6381P25	25	1	196/0.40	12.7	15.8	450
6382P25	25	2	196/0.40	24.3	30.7	1210
6383P25	25	3	196/0.40	26.1	33	1394
6384P25	25	4	196/0.40	28.9	36.6	1995
6385P25	25	5	196/0.40	32	40.4	2470
6381P35	35	1	276/0.40	14.3	17.9	605
6383P35	35	3	276/0.40	29.3	37.1	1850
6384P35	35	4	276/0.40	32.5	41.1	2645
6385P35	35	5	276/0.40	34	43	2930
6381P50	50	1	396/0.40	16.5	20.6	825
6383P50	50	3	396/0.40	34.1	42.9	2890
6384P50	50	4	396/0.40	37.7	47.5	3635
6385P50	50	5	396/0.40	39.03	49.18	4450
6381P70	70	1	360/0.50	18.6	23.3	1090
6383P70	70	3	360/0.50	38.4	48.3	3850
6384P70	70	4	360/0.50	42.7	54	4830
6385P70	70	5	360/0.50	48.5	55	5938
6381P95	95	1	475/0.50	20.8	26	1405
6383P95	95	3	475/0.50	43.3	50	4185
6384P95	95	4	475/0.50	48.5	61	6320
6385P95	95	5	475/0.50	54	64.5	7924
6381P120	120	1	608/0.50	22.8	28.6	1745
6383P120	120	3	608/0.50	47.4	60	5051
6384P120	120	4	608/0.50	53	66	6453
6385P120	120	5	608/0.50	57.9	68.5	7542
6381P150	150	1	756/0.50	25.2	31.4	1824
6383P150	150	3	756/0.50	52	66	6267
6384P150	150	4	756/0.50	58	73	8031
6381P185	185	1	925/0.50	27.6	34.4	2202
6383P185	185	3	925/0.50	57	72	7661
6384P185	185	4	925/0.50	64	80	9830
6381P240	240	1	1221/0.50	30.6	38.3	2847
6383P240	240	3	1221/0.50	65	82	9692
6384P240	240	4	1221/0.50	72	91	12444
6381P300	300	1	1525/0.50	33.5	41.9	3495

31196

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Mean Overall Diameter (mm) Lower Limit	Mean Overall Diameter (mm) Upper Limit	Weight(Kg/Km)
6381P400	400	1	2257/0.50	45.5	56.5	4880
6381P500	500	1	1769/0.60	41.3	52	5301
6381P630	630	1	2257/0.60	45.5	56.5	7460

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.