

## H07RN-8-F EN 50525-2-21 Flexible Rubber Cable



### Description

H07RN-8F is Flexible Rubber Cable specifically designed for use in fresh water up to 10 m water depth and a maximum water temperature of 40°C for connection of submersible pumps and similar applications. Not suitable for underwater power transmission where mechanical damage might occur and represent a potential danger. The cable can be used for connections in industrial or agricultural workshop apparatus, electric site tools, electric appliances, portable motors and generators on building sites where remote power is needed. Suitable for applications up to 1kV in protected fixed installations.

### Key Features



**Voltage Rating**  
450/750 Volts



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



**Flame Retardancy**  
BS EN/IEC 60332-1-2



**Temperature Limits**  
Fixed: -40°C to +60°C  
Flexed: -15°C to +60°C

### Core Colours

- 1 core - Black
- 2 core - Brown Blue
- 3 core - Brown Blue Green Yellow
- 4 core - Brown Blue Grey Green Yellow
- 5 core - Brown Blue Grey Black Green Yellow
- 7 and more - Black with White numbers plus Green Yellow

### Standards

- BS EN 50525-2-21
- BS EN/IEC 60332-1-2
- DIN VDE 0295 / IEC 60228

### Construction

- **Conductor:** Class 5 Flexible stranded copper
- **Insulation:** Rubber Compound Type EI4
- **Outer Sheath:** Polychloroprene Rubber (CR)
- **Sheath Colour:** Black

### QA Lab

#### 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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



#### 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.



#### 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-8-F EN 50525-2-21 Flexible Rubber Cable - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Minimum Bending Radius	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
H07RN8F1KV2X1	1	2	60	7.7	10.0	98
H07RN8F1KV3X1	1	3	65	8.3	10.7	130
H07RN8F1KV4X1	1	4	72	9.2	11.9	150
H07RN8F1KV5X1	1	5	79	10.2	13.1	175
H07RN8F1KV1X1/5	1.5	1	43	5.7	7.2	58
H07RN8F1KV2X1/5	1.5	2	66	8.5	11.0	135
H07RN8F1KV3X1/5	1.5	3	72	9.2	11.9	165
H07RN8F1KV4X1/5	1.5	4	79	10.2	13.1	200
H07RN8F1KV5X1/5	1.5	5	87	11.2	14.4	240
H07RN8F1KV6X1/5	1.5	6	104	13.4	17.2	171
H07RN8F1KV7X1/5	1.5	7	114	15	19	350
H07RN8F1KV12X1/5	1.5	12	135	17.6	22.4	340
H07RN8F1KV18X1/5	1.5	18	159	20.5	26.5	700
H07RN8F1KV24X1/5	1.5	24	186	24.5	31.0	970
H07RN8F1KV36X1/5	1.5	36	194	28.0	32.2	1365
H07RN8F1KV1X2/5	2.5	1	48	6.3	7.9	71.0
H07RN8F1KV2X2/5	2.5	2	78.6	10.2	13.1	193
H07RN8F1KV3X2/5	2.5	3	84	10.9	14.0	235
H07RN8F1KV4X2/5	2.5	4	93	12.1	15.5	290
H07RN8F1KV5X2/5	2.5	5	102	13.3	17.0	345
H07RN8F1KV6X2/5	2.5	6	120	15.7	20.0	279
H07RN8F1KV7X2/5	2.5	7	129	17.5	21.5	500
H07RN8F1KV12X2/5	2.5	12	158	20.6	26.2	571
H07RN8F1KV1X4	4	1	54	7.2	9.0	100
H07RN8F1KV2X4	4	2	91	11.8	15.1	280
H07RN8F1KV3X4	4	3	98	12.7	16.2	320
H07RN8F1KV4X4	4	4	108	14.0	17.9	395
H07RN8F1KV5X4	4	5	120	15.6	20.0	485
H07RN8F1KV1X6	6	1	59	7.9	9.8	130
H07RN8F1KV2X6	6	2	101	13.1	16.8	330
H07RN8F1KV3X6	6	3	108	14.1	18.0	173
H07RN8F1KV4X6	6	4	120	15.7	20.0	540
H07RN8F1KV5X6	6	5	134	17.5	22.2	650
H07RN8F1KV1X10	10	1	72	9.5	11.9	230
H07RN8F1KV2X10	10	2	136	17.7	22.6	586
H07RN8F1KV3X10	10	3	146	19.1	24.2	288
H07RN8F1KV4X10	10	4	159	20.9	26.5	950

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
H07RN8F1KV5X10	10	5	175	22.9	29.1	1200
H07RN8F1KV1X16	16	1	65	10.8	13.4	336
H07RN8F1KV2X16	16	2	155	20.2	25.7	810
H07RN8F1KV3X16	16	3	166	21.8	27.6	461
H07RN8F1KV4X16	16	4	181	23.8	30.1	1260
H07RN8F1KV5X16	16	5	199	26.4	33.3	1550
H07RN8F1KV1X25	25	1	95	12.7	15.8	420
H07RN8F1KV2X25	25	2	185	24.3	30.7	1160
H07RN8F1KV3X25	25	3	198	26.1	33.0	720
H07RN8F1KV4X25	25	4	174	28.9	36.6	1860
H07RN8F1KV5X25	25	5	240	32.0	40.0	2250
H07RN8F1KV1X35	35	1	108	14.3	17.9	530
H07RN8F1KV3X35	35	3	223	29.3	37.1	1900
H07RN8F1KV4X35	35	4	143	32.5	41.1	2380
H07RN8F1KV1X50	50	1	124	16.5	20.6	750
H07RN8F1KV3X50	50	3	258	34.1	42.9	2600
H07RN8F1KV4X50	50	4	285	37.7	47.5	3190
H07RN8F1KV1X70	70	1	140	18.6	23.3	960
H07RN8F1KV3X70	70	3	289	38.4	48.3	3400
H07RN8F1KV4X70	70	4	324	42.7	54.0	4260
H07RN8F1KV1X95	95	1	158	20.8	26.0	1250
H07RN8F1KV3X95	95	3	324	43.3	54.0	4450
H07RN8F1KV4X95	95	4	366	48.4	61.0	5600
H07RN8F1KV1X120	120	1	172	22.8	28.6	1560
H07RN8F1KV3X120	120	3	360	14.4	60.0	5180
H07RN8F1KV4X120	120	4	396	53.0	66.0	6830
H07RN8F1KV1X150	150	1	189	25.2	31.4	1900
H07RN8F1KV3X150	150	3	396	52.0	66.0	6500
H07RN8F1KV4X150	150	4	438	58.0	73.0	8320
H07RN8F1KV1X185	185	1	207	27.6	34.4	2300
H07RN8F1KV3X185	185	3	432	57.0	72.0	7860
H07RN8F1KV4X185	185	4	480	64.0	80.0	9800
H07RN8F1KV1X240	240	1	230	30.6	38.3	2950
H07RN8F1KV3X240	240	3	492	65.0	82.0	10224
H07RN8F1KV4X240	240	4	546	72.0	91.0	12100
H07RN8F1KV1X300	300	1	252	33.5	41.9	3600
H07RN8F1KV3X300	300	3	540	72.0	90.0	12620
H07RN8F1KV4X300	300	4	606	80	101	15200
H07RN8F1KV1X400	400	1	281	37.4	46.8	4600

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Minimum Bending Radius	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)
H07RN8F1KV1X500	500	1	312	41.3	52.0	6000

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