

## H07RN-F Cable Applications

These cables are designed to provide high flexibility and have the capacity to withstand weather, oil/grease, mechanical and thermal stresses. Applications include handling equipment, mobile power supplies, worksites, stage and audio-visual equipment, port areas and dams. This cable is also for use in drainage and water treatment, cold environments, and severe industrial environments.

## Technical Specifications

- Voltage Rating U/U<sub>o</sub> - 450/750V
- Temperature Rating
  - Fixed: -30°C to +60°C
  - Fixed protected installations: +85°C
  - Flexed: -15°C to +60°C
- Insulation tested to +90°C
- Minimum Bending Radius
  - Fixed: 4 x overall diameter
  - Flexed: 6 x overall diameter
- Conductor: Class 5 flexible copper conductor
- Insulation: EPR (Ethylene Propylene Rubber)
- Sheath PCP (Polychloroprene)
- Core Identification
  - 1 core: Black
  - 2 core: Blue Brown
  - 3 core: Green/Yellow Blue Brown
  - 4 core: Green/Yellow Brown Black Grey
  - 5 core: Green/Yellow Blue Brown-Black Grey
  - 6 cores and above: Black with White numbers, Green/Yellow
- Sheath Colour: Black

## STANDARDS

EN 50525-2-21, EN 60228

Flame Retardant according to IEC/EN 60332-1-2

Water Resistant according to AD7

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab<sup>®</sup>, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.

Core Count	Cable Core Size (mm <sup>2</sup> )	Overall Diameter	Weight Per Kilometre	Brass Gland Size	Plastic Gland Size
1	1.5	5.8	52	20/16	20S
1	2.5	6.5	67	20/16	20S
1	4	7.4	92	20/16	20S
1	6	8.1	119	20S	20S
1	10	9.8	185	20S	20S
1	16	11.35	258	20	20
1	25	13.3	375	25	20
1	35	14.6	485	25	25
1	50	17.2	669	25	25
1	70	19.35	892	32	32
1	95	22.2	1160	32	32
1	120	24.3	1436	32	32
1	150	25.9	1748	40	40
1	185	29.7	2142	40	40
1	240	31.5	2698	50S	50S
1	300	36.5	3348	50	50S
1	400	40.4	4293	50	50
1	500	42.6	5262	50	50
1	630	47.2	6790	63S	63S
2	1	8.1	94	20S	20S
2	1.5	9	120	20S	20S
2	2.5	10.7	173	20S	20S
2	4	12.3	239	20	20
2	6	13.8	313	25	25
2	10	18.6	563	32	25
2	16	21.7	830	32	32
2	25	25.8	1211	40	40
3	1	8.74	117	20S	20S
3	1.5	9.68	147	20S	20S
3	2.5	11.48	123	20	20
3	4	13.2	297	25	25
3	6	14.78	390	25	25
3	10	19.9	705	32	32
3	16	23.31	1031	32	32
3	25	27.7	1512	40	40
3	35	30.2	1907	50S	50S
3	50	35.8	2651	50	50S
3	70	40.1	3484	50	50
3	95	46.4	4594	63S	63S
4	1	9.63	142	20S	20S
4	1.5	10.63	180	20S	20S
4	2.5	12.6	260	20	20
4	4	14.6	336	25	25
4	6	16.4	449	25	32
4	10	21.8	833	32	32
4	16	25.4	1138	40	40
4	25	30.7	1714	50S	50

4	35	33.4	2204	50S	50
4	50	39.6	3029	50	-
4	70	44.9	4121	63	-
4	95	51.9	5361	63	-
4	120	55.3	6546	-	-
4	150	60.8	8095	-	-
4	185	65.7	9652	-	-
4	240	75.7	12614	-	-
5	1.5	11.8	206	20	20L
5	2.5	14	297	25	25
5	4	16.2	422	25	25
5	6	18.2	567	32	32
5	10	24	1010	40	40
5	16	28.2	1400	40	40
5	25	33.9	2096	50S	50
5	35	37.2	2700	50	50
5	50	44	3730	63S	63S
5	70	48	5033	63	-
5	95	53.2	6271	63	-
7	1.5	15.13	315	25	25
7	2.5	17.6	445	25	32
12	1.5	18.2	493	25	32
12	2.5	21.4	702	32	32
19	1.5	22.1	710	32	32



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

#### REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU.