

H07ZZ-F 318*ZH Single & Multicore Flexible Cable 1mm² - 16mm²



Description

Flexible cable with resistance to medium mechanical stress. Able to withstand water and weather. For use on work sites, mobile power supplies, for use in supplying workshops, mobile power units, UPS installations, stage lighting and audio visual equipment. Low Smoke Zero Halogen (LSZH) insulation and sheath.

Key Features



Voltage Rating
450/750 Volts



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



Flame Retardancy
Flame retardant: IEC 60332-3-10



Temperature Limits
Fixed: -25°C to +90°C

Core Colours

2 Core - Brown Blue

3 Core - Brown Blue Green Yellow

4 Core - Brown Black Grey Green Yellow

5 Core - Brown Black Grey Blue Green Yellow

Cable with 6 Core and Above: Black with White Numbers plus

Green Yellow

Standards

- Conforms to H07ZZ-F
- BS EN / IEC 60332
- BS EN 50525-3-21
- BS EN/IEC 60228
- IEC/EN 60332-1-2

Construction

- **Conductor:** Class 5 flexible stranded copper conductor
- **Insulation:** Low Smoke Zero Halogen (EI8)
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)

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

H07ZZ-F 318*ZH Single & Multicore Flexible Cable 1mm² - 16mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Mean Overall Diameter (mm) Lower Limit	Mean Overall Diameter (mm) Upper Limit	Weight(Kg/Km)
3182ZH1	1	2	7.7	10	90
3183ZH1	1	3	8.3	10.7	110
3184ZH1	1	4	9.2	11.9	136
3185ZH1	1	5	10.2	13.1	168
3181ZH1/5	1.5	1	5.7	7.1	50
3182ZH1/5	1.5	2	8.5	11	109
3183ZH1/5	1.5	3	9.2	11.9	134
3184ZH1/5	1.5	4	10.2	13.1	166
3185ZH1/5	1.5	5	11.2	14.4	206
3187ZH1/5	1.5	7	13.4	17.2	315
31810ZH1/5	1.5	10	15.95	20.2	420
31812ZH1/5	1.5	12	17.6	22.4	493
31819ZH1/5	1.5	19	20.7	26.3	710
3181ZH2/5	2.5	1	6.3	7.9	65
3182ZH2/5	2.5	2	10.2	13.1	158
3183ZH2/5	2.5	3	10.9	14	196
3184ZH2/5	2.5	4	12.1	15.5	241
3185ZH2/5	2.5	5	13.3	17	297
3187ZH2/5	2.5	7	15.7	20	445
31812ZH2/5	2.5	12	20.6	26.2	702
31819ZH2/5	2.5	19	24.4	30.9	1030
3181ZH4	4	1	7.2	9	89
3182ZH4	4	2	11.8	15.1	217
3183ZH4	4	3	12.7	16.2	271
3184ZH4	4	4	14	17.9	336
3185ZH4	4	5	15.6	19.9	422
3181ZH16	16	1	10.8	13.4	259
3182ZH16	16	2	20.2	25.7	722
3183ZH16	16	3	21.8	27.6	913
3184ZH16	16	4	23.8	30.1	1138
3185ZH16	16	5	26.4	33.33	1400



TABLE 4F2A

CURRENT-CARRYING CAPACITY (Amps)

Ambient temperature: 30 °C
Conductor operating temperature: 90 °C

Conductor cross sectional area	Single-phase AC or DC	Three-phase AC	Single-phase AC or DC
	1 x 2 core cable, with or without protective conductor	1 x 3 core, 4 core or 5 core cable	2 single-core cables, touching
(mm ²)	(A)	(A)	(A)
4	42	37	-
6	55	49	-
10	76	66	-
16	103	89	-

TABLE 4F2B

VOLTAGE DROP (per ampere per metre):

Conductor operating temperature: 90 °C

Conductor cross-sectional area (mm ²)	Two-core cable or 2 x Single core cables DC (mV/Nm)	2 core cable, single-phase AC (mV/Nm)	1 x 3 core, 4 core or 5 core cable, three-phase AC (mV/Nm)	2 single-core cables, touching Single-phase AC* (mV/Nm)
4	13.20	13.20	11.10	-
6	8.50	8.50	7.40	-
10	5.10	5.10	4.40	-
16	3.20	3.20	2.70	-

NOTES:

- 1 The voltage drop figures given above are based on a conductor operating temperature of 90 °C and are therefore not accurate when the operating temperature is in excess of 90 C. In the case of the 180 °C cables with a conductor temperature of 150 °C the above resistive values should be increased by a factor of 1.2.
- 2 *A larger voltage drop will result if the cables are spaced.

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.

