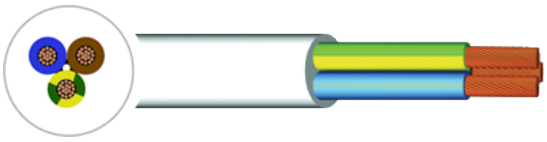
318-B (H05ZIZI-F) Zero Halogen Flexible Cord - 0.75mm² to 4mm²



Description

318*B zero halogen flexible cord cables are used as an indoor general wiring cable, primarily for installations in public areas. They are most commonly used for pendant lighting or as a general supply lead within public areas such as hospitals, shopping centres or airports. They are generally installed where fire, smoke emission and toxic fumes would create a hazard, should a fire occur. H05 Z1Z1-F.

Key Features

Voltage Rating
300/500 Volts

Minimum Bending Radius
5 x Overall Diameter

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature Range: -5°C to +70°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

6 Core - Brown, Black, Blue, Red, White, Green, Yellow

7 Core - Centre: White Surrounded by: Brown, Black, Green, Blue, Red, Yellow

Standards

- BS EN 50525-3-11
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228
- Conforms to H05Z1Z1-F

Construction

- **Conductor**: Class 5 Flexible stranded copper
- **Insulation**: Low Smoke Zero Halogen (LSZH)
- **Sheath**: Low Smoke Zero Halogen (LSZH)
- **Sheath Colour**: White

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.

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

318-B (H05ZIZI-F) Zero Halogen Flexible Cord - 0.75mm² to 4mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Gland Size
3182B/75	0.75	2	24/0.20	6.8	59	20/16
3183B/75	0.75	3	24/0.20	7.2	70	20/16
3184B/75	0.75	4	24/0.20	7.7	85	20/16
3185B/75	0.75	5	24/0.20	8.5	110	20S
3182B1	1	2	32/0.2	7.2	69	20/16
3183B1	1	3	32/0.2	7.6	82	20/16
3184B1	1	4	32/0.2	8.5	105	20S
3185B1	1	5	32/0.2	9.1	130	20S
3186B1WH	1	6	32/0.2	9.8	136	20S
3182B1/5	1.5	2	30/0.25	8.2	95	20/16
3183B1/5	1.5	3	30/0.25	8.9	120	20S
3184B1/5	1.5	4	30/0.25	10	150	20S
3185B1/5	1.5	5	30/0.25	11	180	20
3186B1/5WH	1.5	6	30/0.25	10.1	201	20S
3182B2/5	2.5	2	50/0.25	9.9	145	20S
3183B2/5	2.5	3	50/0.25	10.8	180	20S
3184B2/5	2.5	4	50/0.25	11.3	220	20
3185B2/5	2.5	5	50/0.25	12.8	265	20
3183B4	4	3	56/0.30	10.92	217	20
3184B4WH	4	4	56/0.30	12.21	283	20

Multi core non-armoured 90 °C and 180°C thermosetting insulated flexible cables with sheath Reproduced from BS7671:2018 Wiring Regulations

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	-
25	136	119	-
35	-	146	200
50	-	177	250
70	-	225	310
95	-	273	369
120	-	316	432
150	-	363	497
185	-	414	564
240	-	487	673
300	-	560	773
400	-	-	924
500	-	-	1062
630	-	-	1242

NOTES:

1 The current ratings tabulated are for cables in free air but may also be used for cables resting on a surface. If the cable is to be wound on a drum on load the ratings should be reduced in accordance with *NOTE 2* below and for cables which may be covered, *NOTE 3 below.*

2 **Flexible cables wound on reeling drums**
The current ratings of cables used on reeling drums are to be reduced by the following factors:

a) Radial type drum
ventilated: 85 %
unventilated: 75 %

b) Ventilated cylindrical type drum
1 layer of cable: 85 %
2 layers of cable: 65 %
3 layers of cable: 45 %
4 layers of cable: 35 %

A radial type drum is one where spiral layers of cable are accommodated between closely spaced flanges; if fitted with solid flanges the ratings given above should be reduced and the drum is described as non-ventilated. If the flanges have suitable apertures the drum is described as ventilated.

A ventilated cylindrical cable drum is one where layers of cable are accommodated between widely spaced flanges and the drum and end flanges have suitable ventilating apertures.

3 Where cable may be covered over or coiled up whilst on load, or the air movement over the cable restricted, the current rating should be reduced.

It is not possible to specify the amount of reduction but the table of rating factors for reeling drums can be used as a guide.

4 For 180 °C cables, the rating factors for ambient temperature allow a conductor operating temperature up to 150 °C.
Consult the cable manufacturer for further information.

5 Where it is intended to connect the cables in this table to equipment or accessories designed to operate at a temperature lower than the maximum operating temperature of the cable, the cables should be rated at the maximum operating temperature of the equipment or accessory (see Regulation 512.1.5).

6 Where it is intended to group a cable in this table with other cables, the cable should be rated at the lowest of the maximum operating temperatures of any of the cables in the group (see Regulation 512.1.5).

TABLE 4F2B

VOLTAGE DROP (per ampere per metre):

Conductor operating temperature: 90 °C

Conductor cross-sectional area	Two-core cable or 2 x Single core cables DC	2 core cable, single-phase AC			1 x 3 core, 4 core or 5 core cable, three-phase AC			2 single-core cables, touching Single-phase AC*		
(mm^2)	(mV/Nm)	(mV/Nm)			(mV/Nm)			(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			-		
		r	x	z	r	x	z	r	x	z
25	2.03	2.03	0.175	2.04	1.73	0.150	1.73	-	-	-
35	1.420	-	-	-	1.22	0.150	1.23	1.44	0.21	1.46
50	1.000	-	-	-	0.91	0.145	0.93	1.00	0.21	1.02
70	0.710	-	-	-	0.62	0.140	0.64	0.71	0.20	0.73
95	0.540	-	-	-	0.47	0.135	0.49	0.54	0.195	0.57
120	0.420	-	-	-	0.37	0.135	0.39	0.42	0.190	0.46
150	0.340	-	-	-	0.29	0.130	0.32	0.34	0.190	0.39
185	0.270	-	-	-	0.24	0.130	0.27	0.27	0.190	0.33
240	0.210	-	-	-	0.188	0.130	0.23	0.210	0.185	0.28
300	0.167	-	-	-	0.147	0.125	0.195	0.173	0.180	0.25
400	0.127	-	-	-	-	-	-	0.132	0.175	0.22
500	0.100	-	-	-	-	-	-	0.107	0.170	0.20
630	0.074	-	-	-	-	-	-	0.085	0.170	0.190

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.