3182B, 3183B LSZH / H05Z1Z1-F
Unscreened Multicore Flexible Cable

pro-POWER

RoHS Compliant

Application:

Used as an indoor general wiring cable primarily for installations in public areas. Examples include use on pendant lighting drops or as a general supply lead within hospital or airport projects. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment.

Cable Standards:

Made in accordance with the following:

BS EN 50525-3-11 (HD21.14), BS EN/IEC 60332-1-2,
BS EN/IEC 60332-3-24.C

Construction:

Conductor	: Class 5 flexible copper conductor according to BS EN 60228 (previously BS 6360)
Insulation	: LSZH (Low Smoke Zero Halogen) Type TI6 according to BS EN 50363
Sheath	: LSZH (Low Smoke Zero Halogen) Type TM7 according to BS EN 50363

Characteristics:

Voltage Rating (Uo/U)	: 300/500V
Temperature Rating	: -20°C to +60°C
Min. Bending Radius	: 5 × overall diameter
Core Identification	: 2 core: Blue & Brown 3 core: Green/Yellow, Blue & Brown
Sheath Colour	: White & Black

Electrical Characteristics:

Current Carrying Capacity and Mass Supportable

Nominal Cross Sectional Area mm²	Current Carrying Capacity		Max. Mass Supportable by Twin Flexible Cord kg
	Single-Phase AC Amps	Three-Phase AC Amps	
0.75	6	6	3
1	10	10	5
1.5	16	16	5
2.5	25	20	5

Voltage Drop

Nominal Cross Sectional Area mm^2	DC or Single-Phase AC mV/A/m	Three-Phase AC mV/A/m
0.75	62	54
1	46	40
1.5	32	27
2.5	19	16

Conductor operating temperature: 60ºC*

* The tabulated values above are for 60ºC thermoplastic or thermosetting insulated flexible cords and for other types of flexible cords they are to be multiplied by the following factors:

90ºC thermoplastic or thermoseting insulation : 1.09

De-Rating Factors:

60ºC Thermoplastic or Thermosetting Insulated Cords

Ambient Temperature	+35°C	+40°C	+45°C	+50°C	+55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

Conductors:

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm^2	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C
		Plain Wires Ω/km
0.75	0.21	26
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98

The above table is in accordance with BS EN 60228 (previously BS 6360)

Dimensions:

Part Number	No. of Cores	Colour Codes	Nominal Cross Sectional Area mm^2	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000916	2	White	0.75	0.6	6.3	57
PP000917	2	Black	0.75	0.6	6.3	57
PP000918	2	White	1	0.6	6.6	65
PP000919	2	Black	1	0.6	6.6	65
PP000920	2	White	1.5	0.7	7.4	84
PP000921	2	Black	1.5	0.7	7.4	84
PP000922	3	White	0.75	0.6	6.7	68
PP000923	3	Black	0.75	0.6	6.7	68

Part Number	No. of Cores	Colour Codes	Nominal Cross Sectional Area mm^2	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000924	3	Black	1	0.6	7	78
PP000925	3	Black	1.5	0.7	8	107
PP000926	3	White	1.5	0.7	8	107
PP000927	3	White	2.5	0.8	9.9	163
PP000928	3	Black	2.5	0.8	9.9	163

Part Number Table

Description	Sheath Colour	Reel Length (m)	Part Number
3182B, 3183B LSZH / H05Z1Z1-F Unscreened Multicore Flexible Cable	White	100	PP000916
	Black		PP000917
	White		PP000918
	Black		PP000919
	White		PP000920
	Black		PP000921
	White		PP000922
	Black		PP000923
	Black		PP000924
	Black		PP000925
	White		PP000926
	White		PP000927
	Black		PP000928