

	H05Z1Z1-F (AS) EC Low Voltage Directive 2006/95/CE		ETP-37 Ed. 02/2015 Rev. 4
Flexible cables with halogen-free thermoplastic compound insulation and outer sheath			

DESCRIPTION

Cable manufactured with halogen-free thermoplastic compound insulation and outer sheath.
Construction according to standard EN 50525-3-11

CONSTRUCTION

Conductor:	Flexible bare copper (plain / tinned) class 5	a/EN 60228
Insulation:	Halogen-free thermoplastic compound type TI6	a/EN 50363-7
Disposition:	Wires twisted in layers	
Outer sheath:	Halogen-free thermoplastic compound type TM7	a/EN 50363-8
Usual color:	Light green	a/RAL-6018

TECHNICAL SPECIFICATIONS

Rated voltage:	300 / 500 V
Test voltage:	2.000 V
Operating temperature:	-25°C to +70°C

BEHAVIOUR AGAINST FIRE (AS)

TEST	STANDARDS	VALUES
Flame retardant	EN 60332-1-2, IEC 60332-1	Complies
Fire retardant	EN 50266-2-4, IEC 60332-3-24	Complies
Low smoke emission (transmittance >60%)	EN 61034-2, IEC 61034-2	Complies
Halogen free (HCl)	EN 50267-2-1, IEC 60754-1	Complies
Determination of degree of acidity of gases	EN 50267-2-3, IEC 60754-2	pH ≥ 4,3 Conductivity ≤ 100 µS/cm

DATA AND DIMENSIONS

Dimensions and weights are approximates, subject to small variations due to process. Other sizes are possible on request.

CROSS SECTION mm ²	COLOR CODE	RESISTANCE (Max. at 20°C) Ω/km	OUTER SHEATH THICKNESS (Aver./Min.) mm	OUTER Ø (Approx.) mm
2x0,75	Blue-Brown	26,0	0,80 / 0,58	6,3
2x1		19,5	0,80 / 0,58	6,6
2x1,5		13,3	0,80 / 0,58	7,4
2x2,5		7,98	1,00 / 0,75	9,0
2x4		4,95	1,10 / 0,84	10,4
3x0,75	(3G) Blue-Brown-Yellow/Green (3X) Brown-Black-Grey (3X) Blue-Brown-Black	26,0	0,80 / 0,58	6,6
3x1		19,5	0,80 / 0,58	7,1
3x1,5		13,3	0,90 / 0,67	8,3
3x2,5		7,98	1,10 / 0,84	9,6
3x4		4,95	1,20 / 0,92	11,2

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CROSS SECTION mm ²	COLOR CODE	RESISTANCE (Max. at 20°C) Ω/km	OUTER SHEATH THICKNESS (Aver./Min.) mm	OUTER Ø (Approx.) mm
4x0,75	(4G) Grey-Brown-Black- Yellow/Green (4G) Blue-Brown-Black- Yellow/Green (4X) Blue-Brown-Black-Grey	26,0	0,80 / 0,58	7,2
4x1		19,5	0,90 / 0,67	7,9
4x1,5		13,3	1,00 / 0,75	9,0
4x2,5		7,98	1,10 / 0,84	10,5
4x4		4,95	1,20 / 0,92	12,3
5x0,75	(5G) Blue-Brown-Black-Grey- Yellow/Green (5X) Blue-Brown-Black-Grey-Black	26,0	0,90 / 0,67	8,1
5x1		19,5	0,90 / 0,67	8,6
5x1,5		13,3	1,10 / 0,84	10,0
5x2,5		7,98	1,20 / 0,92	11,8
5x4		4,95	1,40 / 1,09	13,9

APPLICATIONS

When a low emission of smoke and corrosive gases is required in case of fire. Domestic uses of local public audience, wiring appliances, media services (eg, washers, dryers and refrigerators). See Guide Using UNE-21176.