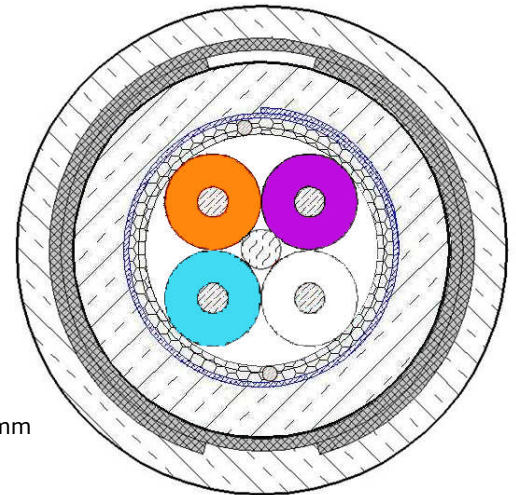


Balise Cable

PE-ALT-CLT 1 x 4 x 1.53 mm

Copper core, PE insulation, moisture barrier sheath, armour, PE outer sheath

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 Changes reserved according
 to technical progress



Principle drawing
 A-2Y(L)2YB2Y 1x4x1.53 mm

Application

Used for train detection ETCS; for installation in train lines; laying in ground, ducts or tunnels.

Construction

PE-ALT-CLT	A-2Y(L)2YB2Y
Conductor	solid copper conductor, 1.53 mm diameter, soft annealed
Insulation	PE (2Y)
Twisting	four cores stranded in concentric, the colours are orange, violet, white, turquoise
Cable core wrapping	one or more layers of plastic foil
Moisture barrier sheath	two tinned copper drain wires 0.8 mm diametrically applied, laminated sheath formed by an aluminium tape (0.20 mm thick) coated on one side with copolymer, metal side facing inward, bonded with PE sheath, black
Armouring	two layers of galvanized steel tape 0.2 mm (2B0.2), helically applied with gap, the inner layer gap is covered by the outer layer steel tape
Outer sheath	PE (2Y), black

Balise Cable

PE-ALT-CLT 1 x 4 x 1.53 mm

Mechanical and Thermal Properties

Temperature range	during operation	- 40°C to + 70°C
	during installation	- 20°C to + 60°C
Admissible bending radius		20 x outer cable diameter

Electrical Properties

at 20°C ± 5°C

Conductor diameter	mm	1.53
Conductor loop resistance	Ω/km	≤ 19.8
Insulation resistance	GΩxkm	≥ 10
Mutual capacitance at 800-1000 Hz	nF/km	≤ 42.3
Capacitance unbalance at 800-1000 Hz		
k_1	pF/km	≤ 24
$e_{1/2}$	pF/km	≤ 515
Impedance at 1.8 MHz	Ω	120 ± 5 %
Attenuation at 1.8 MHz	dB/100 m	≤ 1.0
Dielectric strength – 50 Hz – 3 min		
core/core	V	2500
core/screen	V	2500

Additional Properties

Dimension	Outer diameter	Cable weight net	Standard supply length	Drum size flange-Ø	Transport weight gross	Copper content		
	mm	kg/km	m	mm	kg/drum	kg/km		
PE-ALT-CLT n x 4 x 1.53 mm A-2Y(L)2YB2Y								
1	18	400	2000	1600	1040	84		
1	18	400	1000	1400	530	84		

[PRODUCT CODE TABLE]

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