



CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2
Semiconductive Layer	Extruded semiconductor layer mixture firmly adhered to insulation.
Insulation	XLPE - Cross linked polyethylene material.
Semiconductive Layer	Extruded semiconductive peelable material.
Screen	Copper tape of nominal thickness 0.1 mm helically applied on the semiconductive layer over the insulation, with a minimum overlap of 15%.
Outer Jacket	LSZH material - Halogen-free Flame Retardant polyolefin (Z1)
Color	Red or other colors on request

STANDARDS & MAIN CHARACTERISTICS

Operating Temperature	-25°C / +90°C
Rated Voltage	5 kV
Test Voltage	17,5 kV (5 min.)
Bending Radius	12 x Outer Diameter
Standards	UNE 21161:2017 IEC 60502-2
Flame Retardant	IEC 60332-1, IEC 60332/3 Cat A
CPR Class - EN 50575:2014+A12016	Cca - s1b, d2, a1

Marking Example:

UNTEL CIRCUIT SERIES RHZ1 (AS) 5 kV Cca-s1b, d2, a1 17 UNE 21161

Construction (*)	Cross Section	Max. Overall Diameter (mm)	Approximate Weight (kg / km)	Max Resistance of Conductors at 20°C (ohm / km)	Current Carrying Capacity at 30°C (A)
BCL2 / EXSC / XLPE / EXSC / CUT / LSZH	1x6 mm ²	18,5	370	3,08	52

(*) For explanation of coding refer to Technical Data Section