UNE 21161:2017

RHV Power-C Primary Cable

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2
Semiconductive Layer	Extruded semiconductive layer mixture, firmly adhered to insulation
Insultion	XLPE - Cross linked polyethylene material
Semiconductive Layer	Extruded semiconductive peelable material
Screen	Copper tape of nominal thickness 0.1mm helically applied on the semiconductive layer over the insulation with a minimum overlap of 15%
Outer Jacket	PVC flame retardant material (ST_2)
Outer Jacket	Red or other colours on request

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	17.5 kV (5 min.)
Bending Radius	15 x Outer Diameter
Standards	AENOR – UNE 21161:2017, IEC 60502-2
Flame retardant	IEC 60332-1, IEC 60332/3 Cat.A
CPR class	Cc as2-d2-a3

KOCH Kabel
Smart cabling by Koch Kabel AG

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Jacket PVC	Cross section mm^2	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL2/EXSC/XLPE/EXSC/CUT	1x6	18.5	490	3.08	52

Legend:

BCLS	Bare copper conductor class 2
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound
CUT	Copper tape screen

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RHZ1 Power-C Primary Cable

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2
Semiconductive Layer	Extruded semiconductive layer mixture, firmly adhered to insulation
Insultion	XLPE - Cross linked polyethylene material
Semiconductive Layer	Extruded semiconductive peelable material
Screen	Copper tape of nominal thickness 0.1mm 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) l
Outer Jacket	Red or other colours on request

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	17.5 kV (5 min.)
Bending Radius	15 x Outer Diameter
Standards	AENOR – UNE 21161:2017, IEC 60502-2
Flame retardant	IEC 60332-1, IEC 60332/3 Cat.A
CPR class	Cca s1b-d2-a1

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RHZ1 Power-C Primary Cable

Jacket RHZ1	Cross section mm^2	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL2/EXSC/XLPE/EXSC/CUT	1x6	18.5	370	3.08	52

Legend:

BCLS	Bare copper conductor class 2
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound
CUT	Copper tape screen