

		TECHNICAL CABLE DATA SHEET SCHEMA TECNICA DI PRODOTTO				
DOC: <i>documento</i>	1874.2.1	cause of release: <i>emissione</i>	☒ information <i>informazione</i>	☐ definitive <i>definitiva</i>	ITEM CODE: <i>codice articolo</i>	1001504
ITEM DESCRIPTION: RADARKABEL 03 1xCOAX 0,54L/3,3/5,5 + CONTROL CORES 18x0,5 mm² + 10x1,50 mm² LSZH <i>descrizione articolo</i>						
USE: <i>impiego</i>	☒ indoor interno edificio ☒ outdoor limited esterno limitato ☐ outdoor direct burial esterno interrato ☐	INSTALLATION: <i>posa</i>	☒ fixed fissa ☒ flexible limited flessibile limitata ☐ dynamic (drag chain) mobile in catena ☐ dynamic (torsion) mobile in torsione	INFORMATION: <i>informazioni</i>	☒ 2015/863/EC RoHS compliant ☒ 2014/35/UE LVD compliant ☒ CE marking ☐	

Constructive characteristics

Inner conductor
Insulation
Insulation diameter (nom.)
Shield
Jacket
Jacket diameter (nom.)
Jacket colour

UNIT A: 1 x COAX 0,54L/3,3/5,5 LSZH - 75 OHM
stranded tinned copper wires CuSn 7x0,18 mm - nom. cross section 0,18 mm²
solid polyethylene
3,30 mm
-tinned copper wire braid > 90% nom. coverage
LSZH flame retardant and not corrosive
5,50 (0,20) mm
similar to black colour RAL9005

Inner conductor
Insulation
Insulation diameter (nom.)
Insulation colours

UNIT B: CONTROL CORES 18x0,5 mm²
stranded bare copper wires Cu 16x0,19 mm - nom. cross section 0,50 mm²
solid polyethylene
1,9 mm
(1st layer): 7 violet – 5 green – 22 red – 2 red – 3 orange – 6 blue – 17 violet – 4 yellow – 1 brown – 27 black – 28 black – 29 black
(2nd layer): 9 white – 13 orange – 18 grey – 8 grey – 11 brown – 21 brown

Inner conductor
Insulation
Insulation diameter (nom.)
Insulation colours

UNIT C: CONTROL CORES 10x1,50 mm²
stranded bare copper wires Cu 84x0,15 mm - nom. cross section 1,50 mm²
solid polyethylene
2,7 mm
(2nd layer): 14 yellow – 12 red – 26 blue – 20 black – 15 green – 19 white – 25 green – 16 blue – 24 yellow – 23 orange

Assembly of elements

Separation
Separation
Global assembly

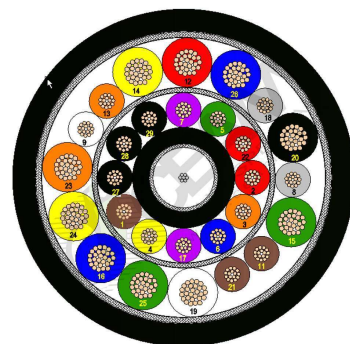
put the coax in the centre and around 12 "B" elements:
(1st layer): 7 violet – 5 green – 22 red – 2 red – 3 orange – 6 blue – 17 violet – 4 yellow – 1 brown – 27 black – 28 black – 29 black
polyester (PET) tape with overlap
polyester (PET) tape with overlap
6 "B" and 10 "C" elements will be stranded together:
(0,50 mm²): 9 white – 13 orange – 18 grey – 8 grey – 11 brown – 21 brown
(1,25 mm²): 14 yellow – 12 red – 26 blue – 20 black – 15 green – 19 white – 25 green – 16 blue – 24 yellow – 23 orange

Separator
Global Shield
Separator
Outer jacket
Jacket diameter (nom.)
Outer jacket colour

non woven (PET/PA) tape with overlap
-tinned copper wire braid 90% nom. coverage - Ø single wire 0,15 mm
non-woven (PET/PA) tape with overlap
LSZH flame retardant and not corrosive
18,4 (±0,4) mm
similar to black colour RAL9005

Weight (approx.)

550 kg/km



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USE: impiego	☒ indoor interno edificio ☒ outdoor limited esterno limitato ☐ outdoor direct burial esterno interrato ☐	INSTALLATION: posa	☒ fixed fissa ☒ flexible limited flessibile limitata ☐ dynamic (drag chain) mobile in catena ☐ dynamic (torsion) mobile in torsione	INFORMATION: informazioni	☒ 2015/863/EC RoHS compliant ☒ 2014/35/UE LVD compliant ☒ CE marking ☐	

Electrical and transmission properties @ 20°C

	UNIT A: 1 x COAX 0,54L/3,3/5,5 LSZH - 75 OHM
Max DC conductor resistance	100,0 Ω/km
Capacitance	67 pF/m
Characteristic impedance	75 Ω
Propagation velocity	66 %
Min insulation resistance	> 10 MΩ x km
Dielectric test voltage	1000 Vac / 1 min

	UNIT B: CONTROL CORES 18x0,5 mm²
Max DC conductor resistance	39,0 Ω/km
Min insulation resistance	> 10 MΩ x km
Dielectric test voltage	1000 Vac / 1 min

	UNIT C: CONTROL CORES 10x1,50 mm²
Max DC conductor resistance	15,6 Ω/km
Min insulation resistance	> 10 MΩ x km
Dielectric test voltage	1000 Vac / 1 min

Fire performance

Flame retardant	compliant IEC 60332-1-2 Std.
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Other properties

Max operating voltage	600 Vac (UL)
Temperature rating (flexing)	-5°C / +70°C
Temperature rating (fixed)	-40°C / +70°C
Min bend radius (fixed)	7,5 x outer Ø
Min bend radius (flexing)	10 x outer Ø