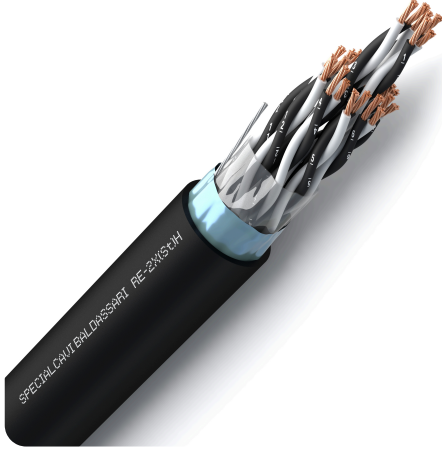


Re-2X(St)H

CPR CLASS: EN 50575:2014+A1:2016 Eca



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Application

Data transmission multi-pair LSZH cable with overall shielding, suitable for data transmission and instrumentation. Ideal for heavy industrial environments such as refineries and chemical plants. Compliant with EU CPR Regulation 305/11, designed to limit the spread of fire and smoke. Buried laying and outdoor laying are not permitted, even if protected.

Marking

<meters> CE 0987 SPECIALCAVI BALDASSARI Re-2X(St)H <formation> mm2 ECA <lot> <year>

Manufacturing characteristics

- Conductor:** bare copper class 2 stranded, according to CEI 20-29 EN IEC 60228
- Insulation:** crosslinked polyethylene (XLPE) compound
- Wrapping and protection:** polyester tape
- Screen:** aluminium/polyester tape, with flexible tinned copper drain wire (section 0,50 mm²)
- Outer sheath:** LSZH thermoplastic compound
- Outer sheath colour:** black, based on RAL 9005
- Cable geometry:** round

On request

- Custom cores and outer sheath colouring
- Triad cable construction

Reaction to fire - EN 13501-6

Reaction to fire according to EN
13501-6: Class
Eca

Specify standards

Product standard

Multi-element metallic cables used in analogue and digital communication and control. Sectional specification for instrumentation and control cables: EN 50288-7 P.Q.A.

Installation standard

Identification and tests to be used for cables for category 0 systems in relation to coexistence in ducts containing cables for category I systems: CEI UNEL 36762

Electrical characteristics

Nominal voltage U_0 :

- 300V

Nominal voltage U :

- 500V

Sheath operating voltage:

- 300/500V

Test voltage:

- 2,0kV 50Hz A.C. (5 min) c-c
- 1,5kV 50Hz A.C. (1 min) c-s

Maximum voltage:

- U_0/U 410/820V D.C.
- U_0/U 320/550V A.C.

Minimum insulation resistance:

- >200M Ω xKm

Temperatures

Permitted cable outer temperature during assembling/handling

0°C

Operating temperature range

-40°C | +90°C

Maximum conductor temperature

+90°C

Maximum short-circuit temperature



+250°C

Product characteristics

Flame retardant	IEC 60332-1-2	✓
	IEC 60332-3-21 (Cat A F/R)	✗
	IEC 60332-3-22 (Cat A)	✗
	IEC 60332-3-23 (Cat B)	✗
	IEC 60332-3-24 (Cat C)	✗
	IEC 60332-3-25 (Cat D)	✗
Low smoke	EN IEC 61034-2	✓
Halogen Free	EN IEC 60754-1	✓
	EN IEC 60754-2	✓
	EN IEC 60754-3	✗

Oil resistant	EN IEC 60811-404	✓
Low temperature resistant	EN 60811-504+505+506	✓
UV resistant		✗
Ozone resistant		✗
Hydrocarbons resistant	ENI 181	✓
Fire resistant	IEC 60331-1 (diameter > 20 mm) or EN 50200 (diameter < 20 mm)	✗
Presence of water	HD 60364-5-54:2009	✗
Impact resistant	HD 60364-5-54:2009	✗

Laying conditions

 FIXED LAYING ✓	 INDOOR LAYING ✓	 LAYING IN AIR WITH PROTECTION ✓	 MAXIMUM TENSILE STRENGTH DURING INSTALLATION 0,050 kN copper cross-section of conductors
 MOBILE LAYING ✗	 OUTDOOR LAYING ✗	 DIRECTLY BURIED LAYING ✗	 WITH RODENT PROTECTION ✗
 OCCASIONAL MOBILE LAYING W/O STRESS ✗	 LAYING IN FREE AIR ✓	 BURIED LAYING WITH PROTECTION ✗	 MINIMUM BENDING RADIUS 10 times the outer diameter

Nominal cross section conductor [mm ²]	Conductor resistance at 20°C [Ohm/Km]
0.50	36,7
0.75	25,0
1.00	18,6
1.30	14,2
1.50	12,3

Re-2X(St)H

Article code	Formation [n° x mm ²]	Twisted/stranded cores	Outer diameter approx [mm]	Weight approx [Kg/Km]	Cores colour
RE2XSTH05001	1 X 2 X 0,50	Cores twisted in a pair	6,0	55	White-Black
RE2XSTHT05001	1 X 3 X 0,50	Cores twisted in a triple	6,2	63	White-Black-Red
RE2XSTH05002	2 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	9,2	93	White-Black cores with progressive numbering (for each pair)
RE2XSTH05003	3 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	9,9	107	White-Black cores with progressive numbering (for each pair)
RE2XSTH05004	4 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	10,8	130	White-Black cores with progressive numbering (for each pair)
RE2XSTH05005	5 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	12,1	158	White-Black cores with progressive numbering (for each pair)
RE2XSTH05006	6 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	13,3	189	White-Black cores with progressive numbering (for each pair)
RE2XSTH05007	7 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	13,3	205	White-Black cores with progressive numbering (for each pair)
RE2XSTH05008	8 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	14,1	227	White-Black cores with progressive numbering (for each pair)
RE2XSTH05010	10 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	16,4	290	White-Black cores with progressive numbering (for each pair)
RE2XSTH05012	12 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	17,2	329	White-Black cores with progressive numbering (for each pair)
RE2XSTH05016	16 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	19,5	421	White-Black cores with progressive numbering (for each pair)
RE2XSTH05020	20 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	21,7	525	White-Black cores with progressive numbering (for each pair)
RE2XSTH05024	24 X 2 X 0,50	Cores twisted in pairs. Pairs stranded in concentric layers	23,7	622	White-Black cores with progressive numbering (for each pair)
RE2XSTH07501	1 X 2 X 0,75	Cores twisted in a pair	6,4	63	White-Black
RE2XSTHT07501	1 X 3 X 0,75	Cores twisted in a triple	6,7	75	White-Black-Red
RE2XSTH07502	2 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	10,1	118	White-Black cores with progressive numbering (for each pair)

Article code	Formation [n° x mm ²]	Twisted/stranded cores	Outer diameter approx [mm]	Weight approx [Kg/Km]	Cores colour
RE2XSTH07503	3 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	10,6	131	White-Black cores with progressive numbering (for each pair)
RE2XSTH07504	4 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	11,8	166	White-Black cores with progressive numbering (for each pair)
RE2XSTH07505	5 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	13,2	203	White-Black cores with progressive numbering (for each pair)
RE2XSTH07506	6 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	14,3	233	White-Black cores with progressive numbering (for each pair)
RE2XSTH07507	7 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	14,3	255	White-Black cores with progressive numbering (for each pair)
RE2XSTH07508	8 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	15,5	293	White-Black cores with progressive numbering (for each pair)
RE2XSTH07510	10 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	17,7	362	White-Black cores with progressive numbering (for each pair)
RE2XSTH07512	12 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	18,8	427	White-Black cores with progressive numbering (for each pair)
RE2XSTH07516	16 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	21,5	557	White-Black cores with progressive numbering (for each pair)
RE2XSTH07520	20 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	22,6	611	White-Black cores with progressive numbering (for each pair)
RE2XSTH07524	24 X 2 X 0,75	Cores twisted in pairs. Pairs stranded in concentric layers	23,8	681	White-Black cores with progressive numbering (for each pair)
RE2XSTH10001	1 X 2 X 1,00	Cores twisted in a pair	6,8	73	White-Black
RE2XSTHT10001	1 X 3 X 1,00	Cores twisted in a triple	7,1	87	White-Black-Red
RE2XSTH10002	2 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	10,8	137	White-Black cores with progressive numbering (for each pair)
RE2XSTH10003	3 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	11,6	162	White-Black cores with progressive numbering (for each pair)
RE2XSTH10004	4 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	12,9	204	White-Black cores with progressive numbering (for each pair)
RE2XSTH10005	5 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	14,1	242	White-Black cores with progressive numbering (for each pair)
RE2XSTH10006	6 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	15,6	289	White-Black cores with progressive numbering (for each pair)
RE2XSTH10007	7 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	15,6	317	White-Black cores with progressive numbering (for each pair)
RE2XSTH10008	8 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	16,8	362	White-Black cores with progressive numbering (for each pair)
RE2XSTH10010	10 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	19,3	451	White-Black cores with progressive numbering (for each pair)
RE2XSTH10012	12 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	20,4	526	White-Black cores with progressive numbering (for each pair)

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Article code	Formation [n° x mm ²]	Twisted/stranded cores	Outer diameter approx [mm]	Weight approx [Kg/Km]	Cores colour
RE2XSTH10016	16 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	23,3	691	White-Black cores with progressive numbering (for each pair)
RE2XSTH10020	20 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	25,8	841	White-Black cores with progressive numbering (for each pair)
RE2XSTH10024	24 X 2 X 1,00	Cores twisted in pairs. Pairs stranded in concentric layers	28,0	991	White-Black cores with progressive numbering (for each pair)
RE2XSTH13001	1 X 2 X 1,30	Cores twisted in a pair	7,2	82	White-Black
RE2XSTHT13001	1 X 3 X 1,30	Cores twisted in a triple	7,7	105	White-Black-Red
RE2XSTH13002	2 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	11,6	164	White-Black cores with progressive numbering (for each pair)
RE2XSTH13003	3 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	12,4	189	White-Black cores with progressive numbering (for each pair)
RE2XSTH13004	4 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	13,8	240	White-Black cores with progressive numbering (for each pair)
RE2XSTH13005	5 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	15,3	295	White-Black cores with progressive numbering (for each pair)
RE2XSTH13006	6 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	16,9	350	White-Black cores with progressive numbering (for each pair)
RE2XSTH13007	7 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	16,9	385	White-Black cores with progressive numbering (for each pair)
RE2XSTH13008	8 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	18,1	442	White-Black cores with progressive numbering (for each pair)
RE2XSTH13010	10 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	20,7	544	White-Black cores with progressive numbering (for each pair)
RE2XSTH13012	12 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	22,0	638	White-Black cores with progressive numbering (for each pair)
RE2XSTH13016	16 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	25,1	836	White-Black cores with progressive numbering (for each pair)
RE2XSTH13020	20 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	27,8	1020	White-Black cores with progressive numbering (for each pair)
RE2XSTH13024	24 X 2 X 1,30	Cores twisted in pairs. Pairs stranded in concentric layers	30,4	1220	White-Black cores with progressive numbering (for each pair)
RE2XSTH15001	1 X 2 X 1,50	Cores twisted in a pair	7,4	87	White-Black
RE2XSTHT15001	1 X 3 X 1,50	Cores twisted in a triple	7,9	113	White-Black-Red
RE2XSTH15002	2 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	12,1	176	White-Black cores with progressive numbering (for each pair)
RE2XSTH15003	3 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	13,0	211	White-Black cores with progressive numbering (for each pair)
RE2XSTH15004	4 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	14,2	259	White-Black cores with progressive numbering (for each pair)

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Article code	Formation [n° x mm ²]	Twisted/stranded cores	Outer diameter approx [mm]	Weight approx [Kg/Km]	Cores colour
RE2XSTH15005	5 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	15,8	318	White-Black cores with progressive numbering (for each pair)
RE2XSTH15006	6 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	17,4	378	White-Black cores with progressive numbering (for each pair)
RE2XSTH15007	7 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	17,4	417	White-Black cores with progressive numbering (for each pair)
RE2XSTH15008	8 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	18,7	479	White-Black cores with progressive numbering (for each pair)
RE2XSTH15010	10 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	21,6	603	White-Black cores with progressive numbering (for each pair)
RE2XSTH15012	12 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	22,8	692	White-Black cores with progressive numbering (for each pair)
RE2XSTH15016	16 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	26,0	908	White-Black cores with progressive numbering (for each pair)
RE2XSTH15020	20 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	28,8	1124	White-Black cores with progressive numbering (for each pair)
RE2XSTH15024	24 X 2 X 1,50	Cores twisted in pairs. Pairs stranded in concentric layers	31,4	1330	White-Black cores with progressive numbering (for each pair)