

	RTAP FIRE CPR 0099/CPR/B85/0265 Construction Products Regulation (EU) No 305/2011		ETP-3411 CPR Ed. 05/2019 Rev. 03
Shielded cable for security and fire control			

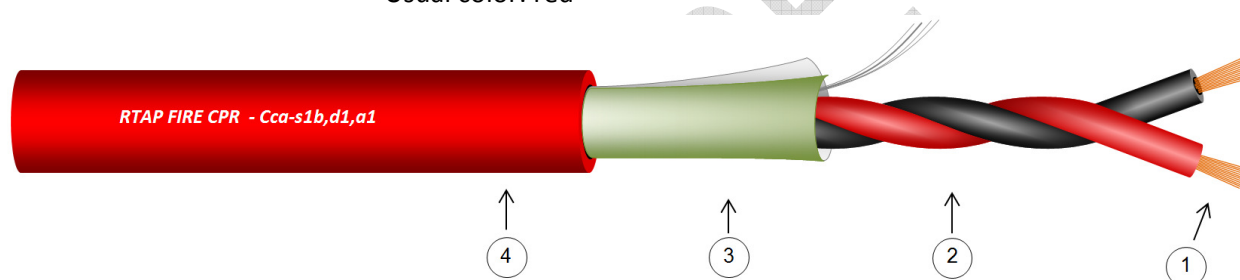
DESCRIPTION

Flexible cable with polyethylene insulation, stranded conductors, shielded with aluminium/PET tape and tinned copper drain wire and with halogen free based-polyolefin outer sheath.

Based on EN 50288-7 standard

CONSTRUCTION

1 - Conductor:	Flexible bare copper class 5	a/EN 60228
2 - Insulation:	Thermoplastic Polyolefin LSZH 70°C	a/EN 50290-2-26
	Identification 2x: black and red	
	“ 3x: black, red, white	
	“ 4x: black, red, White, green	
	Other identifications (colors) are possible on demand	
	Disposition: Stranded conductors 15 T/m	
3 - Overall screen:	Aluminium/PET tape + Cu Sn drain wire	
	Physical coverage: 100%	
4 - Outer sheath:	Thermoplastic polyolefin LSZH 70°C	a/EN-50290-2-27
	Usual color: red	



TECHNICAL CHARACTERISTICS

Rated voltage:	300 / 500 V	
Test voltage:	1.500 V	
Temperature operating:	-15°C to +70°C	
Bending radius:	10 Ø	
Water resistant:	AD5	a/IEC-60364-3
Oil resistance:	O.K.	a/ICEA S-73-532
CPR class:	Cca-s1b, d1, a1	a/EN 50575

APPLICATIONS

Cables intended for both analogue and conventional fire detection and alarm systems in installations where halogen-free cable is required and also that is Fire Retardant.

NOTA:

Should not be used for direct connection to mains or other low impedance sources.

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FEATURES FRONT FIRE (AS)

TESTS	STANDARDS	VALUES
Flame retardant	EN 60332-1-2 / IEC 60332-1-2	OK
Fire retardant	EN 50399	OK
Smoke emission	EN 61034-2 / IEC 61034-2	OK
Acid gas emission (Halogen)	EN 60754-1 / IEC 60754-1	OK
Corrosivity test	EN 60754-2 / IEC 60754-2	pH ≥ 4,3 / Conduc. ≤ 100 µS/cm

DATA AND DIMENSIONS

Dimensions and weights are approximate, subject to small variations due to the process.

CROSS SECTION mm ²	ELECTRICAL RESISTANCE (Max. at 20 °C) Ω/km	OUTER SHEATH THICKNESS (Aver./Min.) mm	OUTER Ø (Approx.) mm	WEIGHT (Aprox.) kg/km
2x1	19,5	0,80	6,3	50
2x1,5	13,3	0,80	6,7	60
2x2,5	7,98	0,80	8,3	90
2x4	4,95	0,80	10,3	130
3x1	19,5	0,80	6,7	65
3x1,5	13,3	0,90	7,3	85
3x2,5	7,98	0,90	8,8	125
3x4	4,95	0,90	11,0	185
4x1	19,5	0,90	7,3	85
4x1,5	13,3	1,00	8,2	110
4x2,5	7,98	1,00	9,7	165