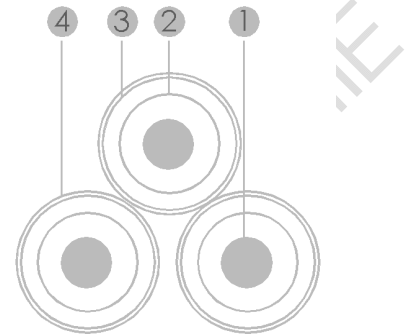


## Cavo energia FRRTX Power cable FRRTX



### SCHEMATIC DRAWINGS



### APPLICAZIONI APPLICATIONS

Adatti per installazione fissa all'interno di apparecchi di illuminazione e dispositivi di interruzione e di comando e per cablaggio di lampade e dispositivi di illuminazione.

*They are suitable for fixed installation inside of lighting devices, interruption and control systems and for interconnection of lamps and lighting appliances.*

### COSTRUZIONE CABLE STRUCTURE

1. Conduttore flessibile in rame elettrolitico rosso  
*Flexible electrolytic bare copper conductor*
2. Isolamento in PVC tipo T11  
*Type T11 PVC insulation*
3. Guaina in PVC tipo TM1  
*Type TM1 PVC outer sheath*
4. Rivestimento in tessuto filato in poliestere  
*Polyester textile braided covering*

Temperatura utilizzo  
*Temperature range*



-20 ÷ 70 °C  
(@ fixed installation )

Temperatura di corto circuito  
*Short-circuit temperature*



160 °C

Tensione di esercizio  
*Voltage rating*



300/300 V<sub>AC</sub>

Tensione di prova  
*Test voltage*



2000 V<sub>AC</sub>

Resistenza alla fiamma  
*Flame resistance*



IEC 60332-1-2

Raggio di curvatura  
*Bending radius*



≥ 10 x D  
(@ fixed installation )

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# TECHNICAL DATA SHEET



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	Sezione <i>Size conductor</i> [ mm <sup>2</sup> ]	Formazione conduttore <i>Conductor stranding</i> [ N° x mm ]	Resistenza elettrica <i>Electrical resistance</i> [ Ω/Km ]	Diametro su isolamento <i>Diameter on insulation</i> [ mm ]	Spessore di isolamento <i>Radial thickness of insulation</i> [ mm ]
FRTX	0.35	11 x 0.193	≤ 55.0	1.75 ± 0.1	≥ 0.50
	0.50	16 x 0.193	≤ 39.0	1.85 ± 0.1	≥ 0.50
	0.75	24 x 0.193	≤ 26.0	1.90 ± 0.1	≥ 0.50
FRRTX	0.50	16 x 0.193	≤ 39.0	2.1 ± 0.1	≥ 0.60
	0.75	24 x 0.193	≤ 26.0	1.8 ± 0.1	≥ 0.40
	1	32 x 0.193	≤ 19.5	2.5 ± 0.1	≥ 0.60
	1.5	28 x 0.243	≤ 13.3	2.8 ± 0.1	≥ 0.70
	2.5	48 x 0.243	≤ 7.98	3.6 ± 0.1	≥ 0.80

	Sezione <i>Size conductor</i> [ mm <sup>2</sup> ]	Spessore della guaina <i>Thickness of outer sheath</i> [ mm ]	Diametro - <i>Diameter</i>		Sezione <i>Size conductor</i> [ mm <sup>2</sup> ]	Diametro su treccia <i>Diameter on cabled assembly</i> [ mm ]	
			Su guaina <i>On insulation</i> [ mm ]	Treccia <i>On assembly</i> [ mm ]			
FRRTX	2 x 0.50	≥ 0.30	2.7 ± 0.1	6.2 ± 0.3	FRTX	2 x 0.35	4.3 ± 0.3
	3 x 0.50	≥ 0.30	2.7 ± 0.1	6.6 ± 0.3		3 x 0.35	4.6 ± 0.3
	2 x 0.75	≥ 0.25	2.7 ± 0.1	5.4 ± 0.3	2 x 0.50	4.5 ± 0.3	
	3 x 0.75	≥ 0.25	2.7 ± 0.1	5.8 ± 0.3	3 x 0.50	4.8 ± 0.3	
	2 x 1	≥ 0.30	3.1 ± 0.1	7.0 ± 0.2	2 x 0.75	4.6 ± 0.3	
	3 x 1	≥ 0.30	3.1 ± 0.1	7.5 ± 0.2	3 x 0.75	4.9 ± 0.3	
	4 x 1	≥ 0.30	3.1 ± 0.1	8.4 ± 0.2			
	2 x 1.5	≥ 0.40	3.7 ± 0.1	8.2 ± 0.2			
	3 x 1.5	≥ 0.40	3.7 ± 0.1	8.8 ± 0.2			
	4 x 1.5	≥ 0.40	3.7 ± 0.1	9.8 ± 0.3			
	2 x 2.5	≥ 0.40	4.4 ± 0.1	9.6 ± 0.3			
	3 x 2.5	≥ 0.40	4.4 ± 0.1	10.3 ± 0.3			
4 x 2.5	≥ 0.40	4.4 ± 0.1	11.4 ± 0.3				

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Riferimento normativo <i>Standard reference</i>	Direttiva Europea Bassa Tensione No. 2014/35/UE <i>Low Voltage European Directive No. 2014/35/EU</i>
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile in classe 5 in rame rosso elettrolitico, conforme alla norma IEC 60228 (dove applicabile). <i>Class 5 flexible electrolytic bare copper conductor, conforming to IEC 60228 standard (wherever it is applicable).</i>
Isolamento <i>Insulation</i>	PVC tipo TI1 conforme alla norma EN 50363-3 <i>TI1 type PVC complying with EN 50363-3</i>
Colore isolamento <i>Color of insulation</i>	Blu, marrone, nero, giallo-verde <i>Blue, brown, black, yellow-green</i>
Guaina esterna <i>Outer sheath</i>	PVC tipo TM1 conforme alla norma EN 50363-4-1 (solo per i cavi FRRTX) <i>TM1 type PVC complying with EN 50363-4-1 (only for FRRTX cables)</i>
Colore guaina <i>Color of sheath</i>	Trasparente <i>Transparent</i>
Rivestimento in tessuto <i>Textile covering</i>	Filato trecciato in poliestere <i>Braided textile polyester</i>
Colore rivestimento in tessuto <i>Color of textile covering</i>	Bianco, nero, oro, marrone, argento, bronzo, rosso, blu <i>White, black, gold, brown, silver, bronze, red, blue</i>
Riunitura <i>Cable assembly</i>	Le anime rivestite in tessuto saranno trecciate tra loro <i>The covered cores will be twisted together</i>
Marcatura <i>Marking</i>	SALCAVI TECHNIC S.P.A. ITALY FRRTX ( o FRTX ) SEZIONE "ANNO" <i>SALCAVI TECHNIC S.P.A ITALY FRRTX ( or FRTX ) CONDUCTOR SIZE "YEAR"</i>

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