

Brutronic® Li2YCY-PiMF

Flexible, twisted-pair data cable with core pairs in metal foil and overall copper braided screening; preferred EMC compatible cable type



Applications

Perfectly screened against radiated interference. Employed for terminals in medical engineering, data transmission technology, machine and machine tool manufacturing, traffic engineering and process technology. Also ideal for mobile equipment. Individual screening of pairs (PiMF) ensures optimum crosstalk attenuation. The copper braid provides additional protection against external electric and magnetic fields.

Design

- Stranded bare Cu conductor, fine wire
- Strand structure to VDE 0295 class 5 / IEC 60228 class 5
- Core insulation: PE
- Core colours: yellow and red
- 2 cores twisted in pairs
- Film lapping
- Screening of pairs with plastics laminated metal foil with multi-wire tinned tracer strand
- Pairs (PiMF) twisted in layers, with optimal lay lengths
- Film lapping
- Braided screening made of tinned copper wires
- Outer sheath: flame retardant
- Sheath colour: RAL 7032 grey

Electrical and technical specifications

Peak operating voltage: 250 V
(Not approved for use as mains power cable!)

Test voltage:
core/core 1200 V
core/screen 500 V
screen/screen 500 V

Bending radius: 15 x cable diameter

Temperature range:
flexible - 5° C to +70° C
stationary -30° C to +70° C

Item No.	Cross-section mm²	Cu content kg/km	Outer diameter approx. mm	Weight approx. kg/km
361005002	2x2x0.50	78.0	10.0	120
361005004	4x2x0.50	108.0	12.5	172
361005006	6x2x0.50	150.0	14.4	229
361005008	8x2x0.50	187.0	14.8	262
361005010	10x2x0.50	236.0	17.5	338
361005016	16x2x0.50	338.0	21.4	448
361005020	20x2x0.50	396.0	22.9	595
361005030	30x2x0.50	599.0	27.9	842
361005040	40x2x0.50	749.0	30.9	1099
361005050	50x2x0.50	959.0	34.5	1350
361007504	4x2x0.75	141.0	14.0	204
361007506	6x2x0.75	198.0	16.8	299
361007508	8x2x0.75	246.0	17.2	352
361007510	10x2x0.75	305.0	19.8	428
361007516	16x2x0.75	446.0	24.0	630
361007520	20x2x0.75	530.0	25.6	742
361007530	30x2x0.75	765.0	30.9	1035
361010004	4x2x1.0	186.0	16.2	298
361010006	6x2x1.0	260.0	18.7	386
361010008	8x2x1.0	322.0	19.2	476
361010010	10x2x1.0	382.0	22.2	563
361010016	16x2x1.0	578.0	26.9	832
361010020	20x2x1.0	710.0	29.4	1010
361010030	30x2x1.0	1050.0	35.4	1405