

Control Cable Series

LiYCY Multicore Braid Screened

Applications

Primarily used in low-voltage applications for control, automation, and signal transmission in computer systems, instrumentation technology, office equipment and balances.



Concentration

Conductor Material	Bare Copper
Insulation Material	PVC
Overall Shield	Tinned Copper Braid(70%)
Sheath Material	PVC
Sheath Color	Grey
Core Identification	acc. to DIN 47100

Electrical Characteristics

Conductor Resistance	BS EN 60228
Insulation Resistance	200 MΩ.M
Mutual Capacitance	C/C: approx. 120 nF/km C/S: approx. 160 nF/km
Inductivity	approx. 0.65 mH/km
Working Voltage	300/500V
Test Voltage (AC)	2000V

Physical Characteristics

Physical Characteristics	Flexing 15 x OD Static 10 x OD
Temperature Rating	Flexing -5°C to +70°C Static -20°C to +70°C

Standards

Basic Design	VDE 0812; EN 50288-7
RoHS3 Compliant	Yes
Reaction to Fire	IEC 60332-1-2
CPR Certification	EN 50575:2014+A1:2016 EN 13501-6: Eca

Part Number	Cores	Weight kg/km	OD mm
0.5 mm²			
SY-CTLCY0502	2	42	5.4
SY-CTLCY0503	3	51	5.8
SY-CTLCY0504	4	61	6.5
SY-CTLCY0505	5	80	6.9
SY-CTLCY0507	7	98	7.4
SY-CTLCY0512	12	156	10.1
SY-CTLCY0518	18	215	11.8
SY-CTLCY0525	25	314	14.4
0.75 mm²			
SY-CTLCY0702	2	56	5.9
SY-CTLCY0703	3	70	6.2
SY-CTLCY0704	4	95	6.7
SY-CTLCY0705	5	130	7.5
SY-CTLCY0707	7	168	8.0
SY-CTLCY0712	12	232	11.0
SY-CTLCY0718	18	315	12.7
SY-CTLCY0725	25	418	14.8
1.0 mm²			
SY-CTLCY1002	2	84	6.2
SY-CTLCY1003	3	110	6.5
SY-CTLCY1004	4	130	7.2
SY-CTLCY1005	5	156	8.1
SY-CTLCY1007	7	192	8.8
SY-CTLCY1012	12	265	11.6
SY-CTLCY1018	18	380	14.0
SY-CTLCY1025	25	475	15.8
1.5 mm²			
SY-CTLCY1502	2	97	7.5
SY-CTLCY1503	3	125	7.9
SY-CTLCY1504	4	165	8.8
SY-CTLCY1505	5	193	9.1
SY-CTLCY1507	7	245	10.4
SY-CTLCY1512	12	365	13.9
SY-CTLCY1518	18	553	15.6
SY-CTLCY1525	25	720	20.8
2.5 mm²			
SY-CTLCY2502	2	148	8.6
SY-CTLCY2503	3	188	9.1
SY-CTLCY2504	4	236	9.9
SY-CTLCY2505	5	270	11.0
SY-CTLCY2507	7	340	11.9
SY-CTLCY2512	12	585	16.0
SY-CTLCY2518	18	725	19.1