

STATIC APPLICATION

LIYCY/LIYCY(TP) SIGNAL-ST

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.14	1.50	occ. flexing 10 x ø	6.0xø

APPROVALS



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

TECHNICAL DATA



STATIC -40°C +80°C
OCCASIONAL FLEXING -5°C
+80°C



MAX OPERATING VOLTAGE 0,14
MM² = 350 V ; ≥ 0,25 MM² = 500
V (NOT FOR POWER
APPLICATIONS)



TEST VOLTAGE (CORE/CORE)
0,14 - 0,25 MM² = 1200 V 0,34 -
1,50 MM² = 2000 V
(CORE/SCREEN) 0,14 - 0,25 MM²
= 800 V 0,34 - 1,50 MM² = 1200 V



INSULATION RESISTANCE > 20
GOHM X CM



NOMINAL IMPEDANCE
78 Ω (APPROX.)
INDUCTANCE = 0,65 MH/KM
MUTUAL CAPACITANCE AT 800 HZ
(CORE/CORE):
_ 0,14 - 0,25 MM² = 100
PF/M (APPROX.)
_ 0,34 - 1,50 MM² = 150
PF/M (APPROX.)
MUTUAL CAPACITANCE AT 800 HZ
(CORE/SCREEN):
_ 0,14 - 0,25 MM² = 200
PF/M (APPROX.)
_ 0,34 - 1,50 MM² = 270
PF/M (APPROX.)

CONSTRUCTION FEATURES

SIGNAL CONDUCTORS

CONDUCTOR

CL5 FLEXIBLE.
BARE COPPER.

INSULATION

PVC COMPOUND.

INSULATION COLOR

COLOURS SEQUENCE REFERS TO DIN 47100
STANDARD.

OVERALL STRANDING

FILLER

FILLER
NOT HYGROSCOPIC, PRODUCED OUT OF SUITABLE
MATERIALS

SEPARATION LAYER

TAPE
POLYESTER TRANSPARENT.

DRAIN WIRE

DRAIN WIRE
TINNED COPPER

SCREEN

SHIELD
TINNED COPPER
85 % ± 5 %

SHEATH

PVC COMPOUND.

SHEATH COLOUR

GRAY
, RAL: 7001, DESINA: NO

PRODUCTS FEATURES



FIRE PERFORMANCE
IEC EN 60332-1-2; DIN VDE 0482-332-1-2



OIL PERFORMANCE
EN 50290-2-22 TM54 (CEI 20-34/0-1; 4 H / 70°C, OIL IRM 902);
VDE 0819 PARTE 102.

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
21803	(1X0,50)ST	✗	100	500	3.5	40
8581	(2X0,14)ST	✗	100	500	3.8	20
5797	(2X0,25)ST	✗	100	500	4.4	29.5
20716	(2X0,34)ST	✗	100	500	4.7	38
5745	(2X0,50)ST	✗	100	500	5.4	45
7048	(2X1,00)ST	✓	100		6.2	65
11979	(3X0,14)ST	✗	100	500	4	27
5746	(3X0,25)ST	✗	100	500	4.6	34.5
11163	(3X0,34)ST	✓	100	500	5.2	44
7348	(3X0,50)ST	✗	100	500	5.7	55
5747	(4X0,25)ST	✗	100	500	5.2	43
11164	(4X0,34)ST	✓	100	500	5.4	51
5748	(4X0,50)ST	✗	100		6.2	61
10341	(4X0,75)ST	✗	100		6.9	77
5749	(5X0,14)ST	✗	100	500	4.5	37
6717	(5X0,25)ST	✓	100	500	5.5	54.5
5750	(6X0,25)ST	✗	100	500	5.9	60
11165	(6X0,34)ST	✓	100		6.2	61
7006	(6X0,5)ST	✗	100	300	7.3	89
5752	(8X0,25)ST	✗	100		6.9	86
13479	(8X0,34)ST	✓	100	500	7.3	80
11980	(10X0,14)ST	✗	100	500	6.1	65
7439	(10X0,25)ST	✗	100		7.4	92
7047	(10X0,50)ST	✓	100	500	9.2	130
5753	(12X0,25)ST	✗	100		7.6	102
5754	(14X0,14)ST	✓	100	500	6.6	79
5755	(14X0,25)ST	✓	100	500	8	114
11981	(16X0,14)ST	✓	100		6.9	89
5756	(16X0,25)ST	✗	100		8.5	127
5757	(18X0,50)ST	✓		500	11.1	215
6526	(20X0,25)ST	✓	100	500	9.3	155
5758	(25X0,25)ST	✓		500	10.4	170
5759	(27X0,14)ST	✗	100		8.5	145
5760	(37X0,25)ST	✓		500	11.9	230

TE.CO. reserves the right to make changes to any of the products without, however, affecting the essential technical features. Unless specified otherwise, all the product ratings stated are nominal ratings. The RAL colour code is provided for illustrative purposes only.

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