



## 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 $\phi$	6.0x $\phi$

### 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 MM<sup>2</sup> = 350 V  
 $\geq 0,25$  MM<sup>2</sup> = 500 V (NOT FOR POWER APPLICATIONS)



**TEST VOLTAGE**  
(CORE/CORE) 0,14 - 0,25 MM<sup>2</sup> = 1200 V  
0,34 - 1,50 MM<sup>2</sup> = 2000 V  
(CORE/SCREEN) 0,14 - 0,25 MM<sup>2</sup> = 800 V  
0,34 - 1,50 MM<sup>2</sup> = 1200 V



**INSULATION RESISTANCE**  
> 20 GOHM X CM



**NOMINAL IMPEDANCE**  
78  
 $\Omega$  (APPROX.)  
INDUCTANCE = 0,65 MH/KM  
MUTUAL CAPACITANCE AT 800 HZ  
(CORE/CORE):  
\_ 0,14 - 0,25 MM<sup>2</sup>  
= 100 PF/M  
(APPROX.)  
\_ 0,34 - 1,50 MM<sup>2</sup> = 150 PF/M  
(APPROX.)  
MUTUAL CAPACITANCE AT 800 HZ  
(CORE/SCREEN):  
\_ 0,14 - 0,25 MM<sup>2</sup>  
= 200 PF/M  
(APPROX.)  
\_ 0,34 - 1,50 MM<sup>2</sup> = 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.
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT.
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	SCREEN	SHIELD TINNED COPPER 85 % $\pm$ 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

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