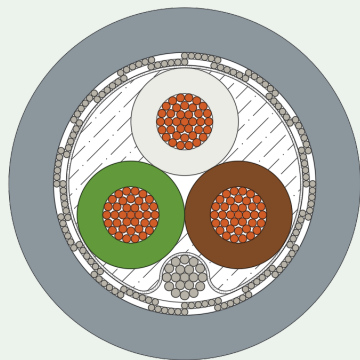


STATIC APPLICATION



TECSIGNAL[®] LiYCY

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0,14	1,50	occ. flexing 10 x ø	6.0xø

DESCRIPTION

Suitable for static or flexible applications with free movement, without tensile stress and forced motion control in dry, damp, and wet environments; however, not suitable for outdoor use. Used as control and signal cables in the milliamperage range for computer systems, control devices, and scales. Due to its extremely small outer diameter, it is especially suitable for sub-miniature plugs and electronic devices. These cables are designed with shielding and a drain wire to minimize electromagnetic interference.

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
0,14MM² 350 V
≥ 0,25 MM² 500 V (NOT FOR POWER APPLICATIONS)



TEST VOLTAGE (C/C)
0,14-0,25 MM² 1200 V (C/C)
0,34-1,50 MM² 2000 V (C/S)
0,14-0,25 MM² 800 V (C/S)
0,34-1,50 MM² 1200 V



INSULATION RESISTANCE
> 20 GOHM/CM



NOMINAL IMPEDANCE
~ 78,0 OHM
INDUCTANCE 0,65 MH/KM
MUTUAL CAPACITANCE @ 800 HZ (C/C)
0,14-0,25 MM² ~ 100 PF/M
0,34-1,50 MM² ~ 150 PF/M
MUTUAL CAPACITANCE AT 800HZ (C/S)
0,14-0,25 MM² ~ 200 PF/M
0,34-1,50 MM² ~ 270 PF/M

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 % ± 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 0819-102

TECO CODE	N° CORES X CROSS-SECTION	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		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	✓	100/200	500	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	500	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	500	6.9	86
13479	(8X0,34)ST	✓	100	500	7.3	80
11980	(10X0,14)ST	✓	100/200	500	6.1	65
7439	(10X0,25)ST	✗	100	500	7.4	92
7047	(10X0,50)ST	✓	100	500	9.2	130
5753	(12X0,25)ST	✗	100	500	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	500	6.9	89
5756	(16X0,25)ST	✗	100	500	8.5	127
5757	(18X0,50)ST	✓	100	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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