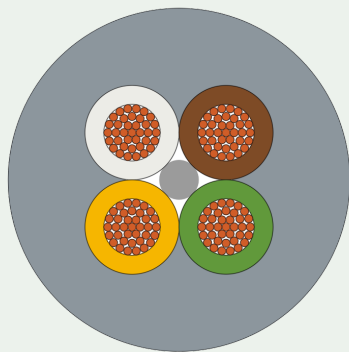


## STATIC APPLICATION



# TECSIGNAL<sup>®</sup> LiYY

## APPLICATIVE FEATURES



### MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM <sup>2</sup> )	CROSS SECTION MAX (MM <sup>2</sup> )	DYNAMIC INSTALLATION	STATIC INSTALLATION
0,14	1,50	7,5xø (occ. flexing)	4.0xø

## DESCRIPTION

Suitable for static or flexible applications with free movement, without tensile stress and forced motion control in dry, damp, and wet indoor environments. Designed to be used in applications that require the smallest control and signal cables, with a reduced outer sheath diameter. Some of the most common uses include the connection of machinery, tools, plant construction, computer systems, scales, measurement and control technology, as well as electronic engineering.

## APPROVALS



2014/35/CEE



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> 350V  
≥ 0,25 MM<sup>2</sup> 500V (NOT FOR  
POWER APPLICATIONS)



**TEST VOLTAGE**  
0,14 - 0,25 MM<sup>2</sup> 1200V  
0,34 - 1,50 MM<sup>2</sup> 2000V



**INSULATION RESISTANCE**  
> 20 GOHM/CM



**NOMINAL IMPEDANCE**  
~ 78.0 OHM  
**INDUCTANCE** 0,65 MH/KM  
**MUTUAL CAPACITANCE @ 800HZ**  
(C/C)  
0,14 - 0,25 MM<sup>2</sup> ~ 100 PF/M  
0,34 - 1,50 MM<sup>2</sup> ~ 150 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
	TALC	TALC POWDER
	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)
9054	2X0,25	×	100	500	3.8	18
7352	2X0,34	×	100	500	4.2	22
11225	2X0,50	×	100	500	4.8	40
8242	3X0,25	×	100	500	4	22
5419	3X0,34	×		1000	4.4	30
8639	3X0,50	×	100		5.1	43
9272	4X0,25	×	100	500	4.4	26
20291	4X0,34	×	100	500	4.8	43
9131	4X0,50	×	100	500	5.5	55
8123	5X0,34	✓	100	500	5.3	54
6768	6X0,25	×	100	500	5.3	36
11852	6X0,50	×	100	500	6.7	73
7088	7X0,25	✓	100	500	5.3	42
8122	7X0,34	✓	100/200	500	5.6	61
16401	8X0,25	×	100	500	6.3	49
9132	8X0,50	×	100	500	8	97
10340	10X0,25	✓	100	500	6.8	57
11464	10X0,50	×	100		8.6	116
5741	12X0,25	✓	100	500	7	66
8062	12X0,50	✓	100	500	8.9	135
20436	16X0,14	✓	100/200	500	6.3	59
5742	16X0,25	✓	100	500	7.9	84
5743	25X0,25	✓	100	500	9.8	132
8193	25X0,50	✓		500	12.4	241
15410	26X0,25	✓		500	10	140
5744	37X0,25	✓		500	11.3	190
1969	44X0,25	✓		500	12.8	200

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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