CATV & CCTV Cables Series

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APPLICATIONS

- TRADITIONAL TV NETWORKS
- DIGITAL TV NETWORKS
- INTERNET HIGH SPEED NETWORKS
- INTELLIGENT / INTERACTIVE
- DATA NETWORKS

MAIN CHARACTERISTICS

- HIGH SHIELDING EFFECTIVENESS
- FOAM POLYETHYLENE DIELECTRIC FOR LOW LOSS
- DOUBLE, TRI AND QUAD SHIELDING
- PE / PVC SHEATH WITH UV PROTECTION
- FLAME RETARDANT PVC OR HFLS SHEATH FOR INDOOR APPLICATION
- MANUFACTURED UNDER CENELEC EN-50117 STANDARD

SPECIFICATIONS

MODEL	TYPE	INNER		DIELEC.	SHIELDING				SHEATH		MESSENGER		DC RESIST.		ATTENUATION (dB/Km)					
		MAT	mm.	mm.	TAPE(1)	BRAID	TAPE	BRAID	MAT	mm.	MAT	mm.	INNER	OUTER	10	55	400	600	862	1.000
STANDARD COAXIALS																				
TLCA-59/80	RG-59	CW(4)	0,81	3,6	Al	Al	-	-	PVC	6	-	-	85	120	3,2	6,1	15,9	19,8	24,2	26,2
TLCA-59 TSH				3,6		Al	Al-Pet-Al			6,25				110	3,2	6,1	15,9	19,8	24,2	26,2
TLCA-59 MINI				3,55		CuSn				5,4				100	3,4	6,4	16,7	20,8	25,4	27,5
TLCA-59 TSH HFLS				3,6		Al			HFLS	6,25				110	3,2	6,1	15,9	19,8	24,2	26,2
TLCA-6/60	RG-6	CW(4)	1,03	4,57	Al	Al	-	-	PVC	6,9	-	-	54	80	2,4	4,7	12,7	16	19,5	21,2
TLCA-6/90							-			7			54	78						
TLCA-6 CC		Cu			Cu-Pet	Cu	-			6,95			22	35						
TLCA-6 TSH		CW(4)			Al	Al	Al-Pet-Al		PE	7,2			54	75						
TLCA-6 TSH PVC									PVC	7,2			54	75						
TLCA-6 TSH HFLS									HFLS	7,2			54	75						
TLCA-6 QUAD								Al	PVC	7,6			54	33						
TLCA-11 CC	RG-11	Cu	1,63	7,11	Cu-Pet	Cu	-	-	PE	10,1	-	-	8,5	16,8		3,1	8,2	10,3	12,9	13,9
TLCA-11 TSH		CW(4)			Al	Al-Pet	Al-Pet-Al			10,4			21	35						
TLCA-11 QUAD								Al		10,85			21	30						
MESSENGERED COAXIALS																				
TLCA-6/60 AS	RG-6	CW(4)	1,03	4,57	Al	Al	-	-	PVC	6,9-9,6	Stranded galvan. Steel		54	80	2,4	4,7	12,7	16	19,5	21,2
TLCA-6/90 AS							-		PVC	7-9,7			54	78						
TLCA-6 TSH AS							Al-Pet-Al		PE	7,2-9,9			54	75						
TLCA-11 TSH AS	RG-11	CW(4)	1,63	7,11	Al	Al	Al-Pet-Al	-	PE	10,4-13,1			21	35		3,1	8,2	10,3	12,9	13,9
TLCA-11 QUAD AS								Al		10,8-13,5			21	30						
SIAMES CONFIGURATION – COAXIAL + 2 DATA/VOICE TWISTED PAIRS(3)																				
TLCA-6 TSH+2P	RG-6	CW(4)	1,03	7,11	Al	Al	Al-Pet-Al	-	PE	7,2-12,2	-	-	54	75	2,4	4,7	12,7	16	19,5	21,2
TLCA-6 TSH+2P PVC									PVC											
TLCA-6 TSH+2P HFLS									HFLS											

(1) Sealed tape (2) Tested up to 2.500 Mhz under recquest (3) Twisted pairs made of AWG 24 (0,51 mm.) bare copper. Isolation of HD Polyethylene (0,9 mm.). Overall pairs sheath diameter 4 mm. (4) Copper covered steel, 45% conductivity

COMMON ESPECIFICATIONS

Impedance (Ohms)	
Coaxial	75 ± 3,75
Pairs	100 ± 15
Capacitance (nF/Km)	
Coaxial	54
Pairs	55
Velocity of propagation	84%
Return loss (dB) (2)	< - 20 dB @ 5 - 1000 Mhz
Pairs DC resistance (Loop)	184
Pairs NEXT	- 70 dB @ 150 Khz

MECHANICAL

Max Strength (kg)	Operation	Breacking
RG-59 Type	20	35
RG-6 Type	25	45
RG-11 Type	80	125
Siamese Type	25	45
Mesengered Type	120	150
Operation Bending Radius		
1 loop	7 x cable diameter	
100 loop	14 x cable diameter	

SCREENING EFFECTIVENESS

TYPES	SHIELDING	SCREENING(5) dB (30 - 1.000 Mhz)	TRANSFER IMPEDANCE(6) 1 Mhz	10 Mhz
TLCA-59	Double shield 80% Braid	85		
	Trishield 80% braid	100	19,7	0,9
	Trishield mini	100		
TLCA-6	Double shield 60% Al Braid	80		
	Double shield 90% Al Braid	85		
	Double shield 80% Cu Braid	90	5,4	2,3
	Trishield 80% Braid	100	15,3	0,3
	Quadshield 60 + 40% Braid	110		
TLCA-11	Double shield 80% Cu Braid	90	3,9	1,2
	Trishield 80% braid	100	12,3	1,2
	Quadshield 60 + 40% Braid	110		

WEIGHT AND STANDARD PACKING

MODEL	WEIGHT Kg / Km.	PACKING (Mts.) COILS	REELS	DRUMS	
TLCA-59/80	34	100	100	305	1.000
TLCA-59 TSH	35	100	100		1.000
TLCA-59 MINI	35	100	100		1.000
TLCA-59 TSH HFLS	35	100	100		1.000
TLCA-6/60	40	100		305	500
TLCA-6/90	42	100		305	500
TLCA-6 CC	45	100		305	500
TLCA-6 TSH	40	100		305	500
TLCA-6 TSH PVC	40	100		305	500
TLCA-6 TSH HFLS	47	100		305	500
TLCA-6 QUAD	48	100		305	500
TLCA-11 CC	105	100		305	500
TLCA-11 TSH	100	100		305	500
TLCA-11 QUAD	114	100		305	500
TLCA-6/60 AS	50			305	500
TLCA-6/90 AS	52			305	500
TLCA-6 TSH AS	50			305	500
TLCA-11 TSH AS	110			305	500
TLCA-11 QUAD AS	124			305	500
TLCA-6 TSH+2P	50			305	500
TLCA-6 TSH+2P PVC	50			305	500
TLCA-6 TSH+2P HFLS	55			305	500

(5) Average value

(6) Tested in "Delta Electronic Testing Laboratory" under IEC 61196-1 Transfer impedance method

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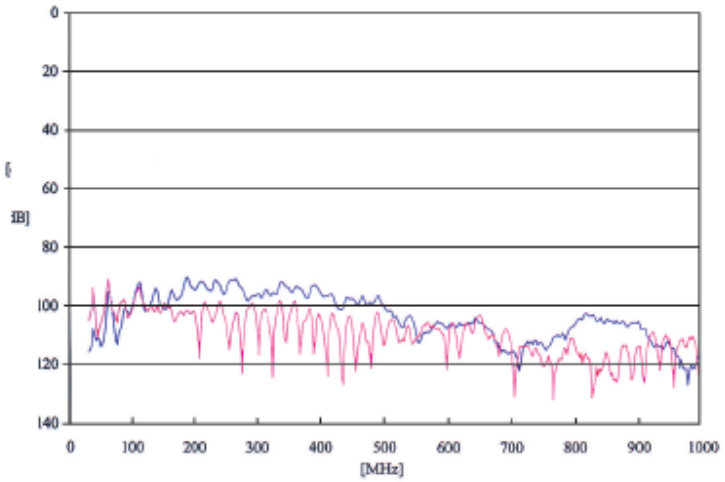
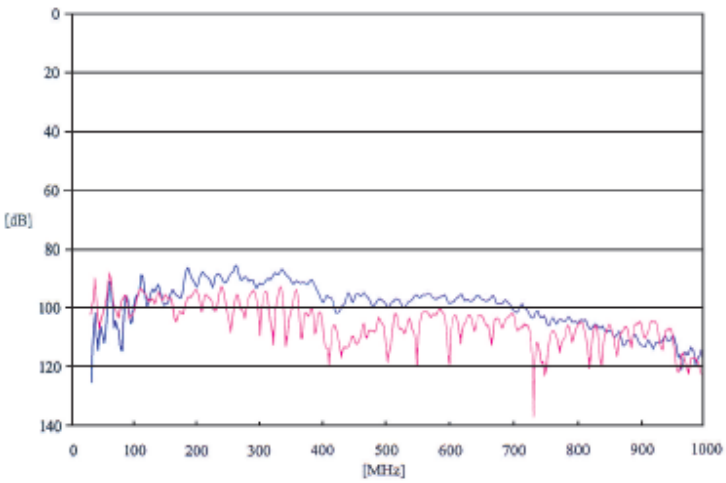
SCREEN EFFECTIVENESS

Graphics below show the coupling attenuation characteristic tested in the independent "DELTA Electronic Testing Laboratory" at its own Denmark facilities. Graphs are part of Report K310632 - done under CENELEC EN-50289-6D test method. **Blue curve is the value for the near end of the 6 Mts. sample under test. Red one is for the far end.**

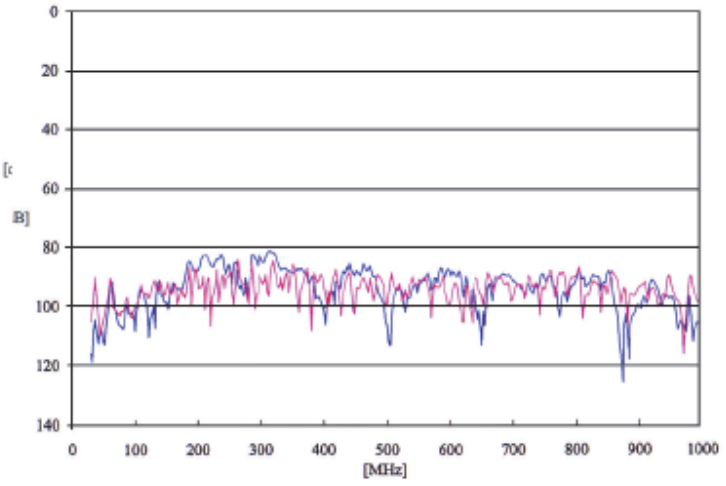
TLCA-59 TSH



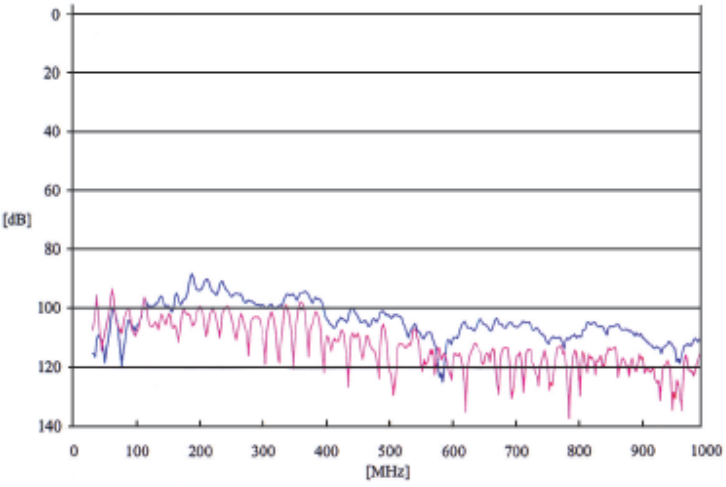
TLCA-6 TSH



TLCA-6 CC



TLCA-11 TSH



STANDARD COLORS

BLACK - RAL 9005

WHITE RAL-9016

WHITE RAL 9010 (PVC)

GREY RAL 7001

BROWN (BRICK) RAL-8003

BROWN PANTONE 724

SOFT BROWN PANTONE 729

BEIGE RAL-1001

BEIGE C

PINK MUNSCELL 2.5 4R 8/2