EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

COAXIAL CABLES

				
Cable name	YWL 50 0,45/1,3	RG 174	RG 58	TRIAX 58 A/U
Product No.	0259 004	0221 023	0221 012	0611 001

CONSTRUCTION				
Inner conductor:				
material	Cu	FeCu	CuSn	CuSn
number and diameter of wires [mm]	7x0.15	7x0.16	19x0.18	7x0.32
diameter [mm]	0.45	0.48	0.9	0.96
Insulation:				
material	PE	PE	PE	PE
diameter [mm]	1.3	1.52	3.0	3.0
Outer conductor: Material and construction	Cu braid	CuSn braid (86%)	CuSn braid	CuSn braid PE insulation, 4.45 mm CuSn braid
Sheath:				
material	PVC	PVC	PVC	PVC
colour	black and white	black and white	black and white	yellow
Outer diameter [mm]	2.7	2.8	4.95	6.1

ELECTRICAL PARAMETERSAT 20°C				
Characteristic impedance [Ω]	50 ± 2	50 ± 2	50 ± 2	50 ± 2
Capacitance [pF/m] at f=1 kHz	97.8	100.0	103.0	100.0
Velocity of propagation [%]	66	66	66	66
DC resistance [mΩ/m]:				
inner conductor	152	317	32.5	31.0
outer conductor	45.3	43.0	13.4	15.5/14.1
Attenuation [dB/100 m] – average, at frequency [MHz]:				
50	21.3	19.0	10.5	10.8
100	30.4	30.0	15.4	16.1
200	43.1	45.0	22.6	
800	90.0	84.0	50.1	
1000	101.7	92.0	58.3	78.7
Return loss [dB] - min.	20	20	20	20
Shielding attenuation [dB] - min.	40	40	40	40

OTHERS DATA				
Reference standards	MIL-C-17	MIL-C-17/119 G	MIL-C-17/28	DT 22/06/03
Operating temperature range [°C]	-20 ÷ +70	-40 ÷ +70	-40 ÷ +70	-40 ÷ +70
Minimum bending radius [mm]	15	15	25	50
Weight [kg/km]	11.5	12.0	40.0	61.0

APPLIED ABBREVIATIONS

Cu	: bare copper	PE	: polyethylene
Fe-Cu	: copper-clad steel	Al/PETP	: aluminium/polyester (2 layers) tape
Cu-Sn	: tined copper	Al/PETP/Al.	: aluminium/polyester/aluminium (3 layers) tape
PVC	: polyvinyl chloride	AL/Cop	: copolymer coated aluminium tape

AVAILABLE OPTIONS (AVAILABLE UPON REQUEST)

Halogen free cables are also available (RG-H; HWD; HWL,..).
Other colours on request.