

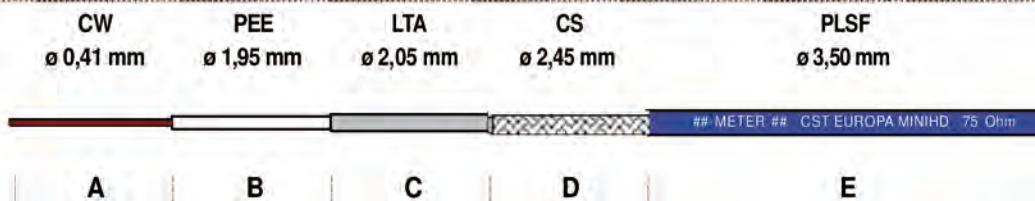


MINIHD KAVICT*RG174HD

VIDEO SECURITY CABLE

RECOMMENDED APPLICATION : SHORT DISTANCES HD-SDI CAMERA

EN 50117



MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	 $\varnothing 0,41 \text{ mm}$
B	DIELECTRIC	FOAM POLYETHYLENE	 $\varnothing 1,95 \pm 0,10 \text{ mm}$
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	 h. 8mm
		- COVERAGE	 100%
D	BRAID	TINNED COPPER	 $48 \times 0,10 \text{ mm}$
		- COVERAGE	 62%
E	SHEATH	FLAME RETARDANT POLYVINYL-CHLORIDE	 $\varnothing 3,50 \pm 0,10 \text{ mm}$
	- COLOUR	BLUE - RAL 5010	

MINIMUM BENDING RADIUS (mm)

- SINGLE	$\varnothing \text{ EXTERNAL } \times 5$
- REPEATED	$\varnothing \text{ EXTERNAL } \times 10$

TAMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER	4,7
- PLASTIC	9,9
- TOTAL	15,4

ELECTRICAL PROPERTIES at 20 °C

IMPEDANCE $75 \pm 5 \text{ Ohm}$

CAPACITANCE 56 pF/m

VELOCITY RATIO 80%

RESISTANCE

- INNER CONDUCTOR	320 Ohm/Km
- BRAID	41 Ohm/Km

TENSION

- SHEATH	2,5 kV
SPARK TESTING	

ATTENUATIONS DB/100 m.

5 MHz	3,7	470 MHz	33,1	1500 MHz	62,5
10 MHz	4,7	600 MHz	37,9	1750 MHz	66,9
50 MHz	11,0	800 MHz	43,8	2150 MHz	74,8
100 MHz	15,3	862 MHz	46,0	2400 MHz	79,0
200 MHz	21,0	1000 MHz	49,9	2750 MHz	83,7
300 MHz	26,1	1350 MHz	58,3	3000 MHz	87,5

STRUCTURAL RETURN LOSS DB

30 ÷ 470	MHz	>30
470 ÷ 862	MHz	>23
862 ÷ 2400	MHz	>20
2400 ÷ 3000	MHz	>15

SCREENING EFFECTIVENESS DB

EN 50117 STANDARD

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<15	mOhm/m
	30 ÷ 1000	MHz	>75	dB
	1000 ÷ 2000	MHz	>65	dB
	2000 ÷ 3000	MHz	>55	dB