

ZH 059 H2

75 OHM VIDEOINTERCOM COAXIAL CABLE - RG 59 + 2 x 0,75 MM²

IN ACCORDANCE TO:

IEC 60332-1-2	FLAME PROPAGATION ON A SINGLE CABLE
IEC 60332-3-24C	FIRE PROPAGATION ON BUNCHED CABLES
IEC 61034-2	SMOKE DENSITY
IEC 60754-1	HCI EMISSION
IEC 60754-2	SMOKE CORROSIVITY

CW	PE	CU	Pet	LSZH	LSZH
ø 0,58 mm	ø 3,70 mm	ø 4,10 mm	h. 16 mm	ø 6,20 mm	ø 10,00 mm



| A | B | C | D | E | F |

MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	ø 0,58 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 3,70 ± 0,10 mm
C	BRAID	PLAIN COPPER	168 x 0,10 mm
		- COVERAGE	92%
D	NON-MIGRATING	POLYESTER TAPE	h. 16 mm
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 6,20 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
ELECTRICAL CABLES			
	-	PLAIN COPPER	2x0,75 mm ²
	-	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	2 x ø 2,00 ± 0,10 mm
	- COLOUR	RED - BLACK	
F	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,00 ± 0,30 mm
	- COLOUR	GREY - RAL 7001	
	- PRINTING	RG 59 LS0H + LIHH 2 X 0,75	

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

CABLE WEIGHT (Kg/Km)

- COPPER	28,3
- PLASTIC	106,8
- TOTAL	135,1

TAMPERATURE RANGE -30 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm
CAPACITANCE	67 pF/m
VELOCITY RATIO	66%
RESISTANCE - INNER CONDUCT.	154 Ohm/Km
- BRAID	13 Ohm/Km

ELECTRICAL CABLES

VOLTAGE - OPERATING	300 Vca
- TEST	2000 Vca
CORES RESISTANCE	26 Ohm/Km

ATTENUATIONS dB/100 m.

5 MHz	2,3	100 MHz	10,7	1000 MHz	38,0
10 MHz	3,1	300 MHz	19,4	2150 MHz	60,9
50 MHz	7,4	600 MHz	28,7	3000 MHz	72,7

STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz	>31	1000 ÷ 2000 MHz	>18
300 ÷ 600 MHz	>28	2000 ÷ 3000 MHz	>14
600 ÷ 1000 MHz	>24 ÷	MHz -

SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>57
900 ÷ 2000 MHz	-
2000 ÷ 3000 MHz	-

The producer reserves himself to make modification on the item without any notice.