

DESCRIPTION		CODE									
<b>Video security cable - 75 Ohm</b> <b>with two electrical wires (0,50 mm<sup>2</sup>) and flame retardant sheaths</b>		CAVEL									
		VS80205									
Diam. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 12.5%;">0,80 Cu</td> <td style="text-align: center; width: 12.5%;">3,50 PEE</td> <td style="text-align: center; width: 12.5%;">3,60 Al/Pet/Al</td> <td style="text-align: center; width: 12.5%;">4,00 CuSn</td> <td style="text-align: center; width: 12.5%;">5,00 LSZH</td> <td style="text-align: center; width: 12.5%;">Pet</td> <td style="text-align: center; width: 12.5%;">6,20 x 8,00 LSZH</td> <td style="text-align: right; width: 12.5%;">mm</td> </tr> </table>				0,80 Cu	3,50 PEE	3,60 Al/Pet/Al	4,00 CuSn	5,00 LSZH	Pet	6,20 x 8,00 LSZH	mm
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<b>CONSTRUCTION DATA</b>		<b>DIMENSIONS</b>									
A. Inner conductor of plain annealed copper wire . (Cu) $\phi$ 0,80 $\pm$ 0,02 mm											
B. Dielectric of physical foam Polyethylene . (PEE) $\phi$ 3,50 $\pm$ 0,10 mm											
Outer conductors :											
C. Alluminium/Polyester/Alluminium tape (Al/Pet/Al) 16 x 0,046 mm longitudinally overlapped .											
D. Braid of tinned copper wires . (CuSn) 16 x 6 x 0,10 mm Lay of braid . 54 mm Coverage (IEC 96-1) 65%											
E . Outer sheath of LSZH, halogenfree, UV resistant, flame retardant, black material (LSZH) $\phi$ 5,00 $\pm$ 0,10 mm											
F. Polyester tape (Pet) 25 x 0,023 mm											
G. Two electrical wires Conductor (Cu) $\phi$ 16 x 0,20 mm (0,50 mm <sup>2</sup> ) Sheath (black and red) (PVC) $\phi$ 1,80 $\pm$ 0,10 mm Max. current/voltage: 4 A / 50 V Electrical resistance: 37,0 Ohm/km											
H. Outer sheath of LSZH, halogenfree, UV resistant (LSZH) $\phi$ 6,20 x 8,00 mm flame retardant, black material printed each meter by yellow ink-jet:											
<b>CAVEL VS80205 MADE IN ITALY 1000 V 75 Ohm</b>											
Weight of copper conductors : 19,3 Kg/Km Total weight of cable (approx.) 65,5 Kg/Km											
Minimum bending radius for single/repeated bending (10 bendings max.) : 25/50 mm											
<b>ELECTRICAL PARAMETERS</b>											
Characteristic Impedance : 75 $\pm$ 3 Ohm		Sheath dielectric strength (spark test) : 2,5 kV									
Capacitance : 52 $\pm$ 2 pF/m											
Velocity ratio : 85%											
Attenuation (at 20° C and dB/100m):											
Freq.	Atten.	Freq.	Atten.								
5 MHz	2,1	1750 MHz	34,3								
50 MHz	5,7	2150 MHz	38,0								
200 MHz	11,0	2400 MHz	40,2								
470 MHz	17,2	3000 MHz	44,0								
862 MHz	23,6										
1000 MHz	25,5										
Inner conductor resistance : 35,0 Ohm/Km		S.R.L.: 5 -- 470 MHz > 30 dB 470 -- 1000 MHz > 28 dB 1000 -- 2000 MHz > 26 dB 2000 -- 3000 MHz > 22 dB									
Outer conductors resistance : 18,6 Ohm/Km											
Transfer impedance ( 5 -- 30 MHz): < 0,35 mOhm/m											
Screening attenuation (As) : : 30--1000 MHz > 90 dB 1000--2000 MHz > 80 dB 2000--3000 MHz > 70 dB											
<b>ITALIANA CONDUTTORI s.r.l</b>		<b>DATE</b>	<b>RESPONSIBLE</b>								
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