be able with cable





TECHNICAL FEATURES

MECHANICAL PROPERTIES

Propeties	Initial properties		Properties after ageing in Oil - Solution - Air - UNCON (*)									
	Values	Units	#1	#2	#3	#4	#5	#6	#7	#8	#9	Unità
Service Temperature	-40 ++120	С										
Tensile Strength	17	Mpa	-2	-7	-7	-18	-2	-7	+1	-4	+3	%
Elongation at Break	650	%	-6	-12	-10	-24	-8	-16	+1	-14	-3	%
Modulus 100%	8,5	Mpa								+12	+6	%
Modulus 300%	10	Мра										
Tear Strength	80	N/mm										
Density	0,97	Kg/dm3										
Weight			+1	+8	+7	+31	+1	+11	+0,1			%

#1 ASTM D 471 Ageing in Oil ASTM 1 (7days @ 23°C) #2 ASTM D 471 Ageing in Oil ASTM 1 (7days @ 100°C) #3 ASTM D 471 Ageing in Oil ASTM 3 (7days @ 23°C) #4 ASTM D 471 Ageing in Oil ASTM 3 (7days @ 100°C) #5 ASTM D 471 Ageing in Oil Hydrus 68 (7days @ 23°C)

#6 ASTM D 471 Ageing in Oil Hydrus 68 (7days @ 100°C) #7 ASTM D 471 Ageing in Aqueous Solution - 2,5% Detergent neutral ph (7days @ 23°C) #8 ASTM D 573 Heat Ageing in Air (7days @ 125°C) #9 ASTM D 4329 UVCON Resistance for 7 days with alternate: UV 4h @ 60°C; Condensation 4 h @ 40°C

Data of this bulletin are average values of laboratory tests, provided only for general guidance without any liability.

DIFFERENCES BETWEEN CAP SYSTEM AND STANDARD F METALLIC

Connectors / Features	СаР	Screw On	Crimp	Compression				
Material	Plastic - no real element in the connection	Metal - one more element present in the coaxial connection, beyond cable and device						
Construction	1 piece	2 pcs assembly	2/3 pcs assembly	2/3/4 pcs assembly				
Inner Contact	Central conductor of coaxial cable	Central conductor of coaxial cable (in professional connectors is used a specific inner pin)						
Braid Contact	Only 1 direct contact from cable to device 3 points of contacts from braid of coaxial cable to outer shield of device (see drawing on back page)							
Cable Compatibility	1 size fits all cables up to 7 mm diameter You need a specific connector size for each cable having different diameter size							
Price	Law cast	Low cost	Medium cost	High cost				
Global Quality	High	Low	Medium	High				
Performances	Operational to 3 GHz Insertion loss: < 0.08 dB Return loss: > 20 dB Shielding Effectiveness: class A+ No impedance of its own (50, 75, 92 Ohm)	Insertion loss, Return loss and Shielding Effectiveness depend on quality of connector and on quality of the installation on cable and device. Every connector has its own impedance						
Installation time	Fast	Slow	Mediu	m - Slow				
Installation steps	1 step only - connects directly on device 2 steps - has to be installed first on cable and then connected to device							
Installation quality	Easy - Indipendent from installer skills	Medium - Depends on the installer	Easy/Medium - a proper (expensive) tool is needed					
Pull Force	High	Low	Medium	High				
Reutilization	Completely reusable	Reusable	Not reusable after first installation					
Colour coding	Available in 9 different colours Another object (colour ring, label,) is needed to colour code the application							

NUMBER OF CONTACTS FROM THE BRAID OF THE COAXIAL CABLE TO F FEMALE CONNECTOR

