

Digisat 5 Elite

Class A++

High resistance "tear proof" PVC Jacket to be used mostly inside conduits.

PVC Ø 6,8 ± 0,15 mm

NOTE : for outdoor use we warmly recommend black PE Jacket cables, with the addition of **PPC**® "AquaTight" connectors.

Double layer screening tape, (foil), highly effective against high frequency interferences.

CU-POL

100% screening percentage

High pressure physical injection foamed polyethylene
TRIPLE LAYER DIELECTRIC
FPE Ø 5 ± 0,05 mm

Inner conductor : 99,99% pure electrolytic annealed bare copper (annealed=thermal softening process)

Cu Ø 1,16 mm



High resistance screen made of a sturdy copper **BRAID** (Cu). The braiding process is operated by means of **24 spools** braiding machines. (50% more crossings if compared to traditional 16 spools machines). Highly effective against low frequency impulsive noises.

SCREENING PERCENTAGE: 82%
144 wires

ELECTRICAL DATA

Nominal Impedance	Ohm±3	75
Capacitance	pF/m±2	52
Velocity Ratio	%	85
Attenuation	at 20° C)	
	MHz 5	dB/100 m 0,8
	MHz 50	dB/100 m 3,4
	MHz 200	dB/100 m 7,0
	MHz 470	dB/100 m 10,9
	MHz 860	dB/100 m 14,9
	MHz 1000	dB/100 m 16,1
	MHz 1750	dB/100 m 21,9
	MHz 2050	dB/100 m 23,8
	MHz 2150	dB/100 m 25,0
	MHz 2400	dB/100 m 25,9
	MHz 3000	dB/100 m 29,5

Structural Return Loss (SRL)

30-470	MHz	dB	>33
470-860	MHz	dB	>30
860-2150	MHz	dB	>26

Screening efficiency :

30-1000	MHz	dB	>105
1000-2000	MHz	dB	>105
2000-3000	MHz	dB	>103

Transfer Impedance (return path)	mOhm/m	<0,3
Inner conductor resistance	Ohm/Km	16,5
Outer conductor resistance	Ohm/Km	9
Tension test of the jacket (Spark test)		4 kV
STANDARD PACKING type & meters (100m refills for Arianna unwinders)		AR100
Other packings :		250 and 500m drums
Compression type "F" PPC Connector :		EX6-5,1/8,3 / EX6-5,1/8,3-A
Crimp type "F" connector :		MP-CRP 7
Screw type "F" connector :		C.TV.FM. 7