

HD 163 Cu/Cu PEF Fca Technical Data Sheet

Inner Conductor	Bare Copper
Inner Conductor Diameter	1.63 ± 0.02 mm
Insulation	Gas Injected Skin/Foam/Skin PE
Insulation Diameter	7.15 ± 0.10 mm
1.Screen	CuPet Foil
2.Screen	Copper wire braiding % 50 ±3 coverage
Jelly	APD Gel
3.Screen	CuPet Foil
Outer Sheath	PE-Black
Outer Sheath Diameter	10.00 ± 0.20 mm
Inner Conductor Resistance	8.5 Ohm/km
Velocity Of The Propagation	%83 ± 3
Impedance	75 ± 3 Ohm/m
Capacitance	53 ± 2 pF/m
Return Loss	
5-470 Mhz	> 26 dB
470-1200 Mhz	> 23 dB
1200 - 2000 Mhz	> 20 dB
2000-3000 Mhz	> 18 dB
Attenuation	(dB/100m)
50 MHz	3.10 dB/100m
230 MHz	6.10 dB/100m
470 MHz	8.70 dB/100m
860 MHz	12,70 dB/100m
1000 MHz	14,00 dB/100m
1200 MHz	14,70 dB/100m
2150 MHz	21,80 dB/100m
3000 MHz	26,80 dB/100m
Transfer Impedance	Class A+
5Mhz to 30Mhz	≤ 2,50 mΩ/m
Screening Attenuation	Class A+
30-1200 Mhz	>95 dB
1200 - 2000 Mhz	>85 dB
2000 - 3000 Mhz	>75 dB