

## Technical specifications : Ref. 214911

Type		TR-165																				
Standard		EN 50117-2-5																				
Euroclass		Dca																				
Euroclass: Smoke Production		s2																				
Euroclass: Flaming droplets		d2																				
Euroclass: Acidity		a1																				
Class		A																				
Inner conductor Diameter	mm	1.63																				
Inner conductor Material		Copper (Cu)																				
Inner conductor Resistance	$\Omega$ /km	< 9																				
Dielectric Diameter	mm	7.2																				
Dielectric Material		Foam polyethylene (PEE)																				
Dielectric Color		White RAL 9003																				
Overlapped foil		Aluminium + Polypropylene + Aluminium																				
Braid Material		Copper																				
Braid dimensions: No. of carriers (Nc)		16																				
Braid Dimensions: No. of strands per carrier (Ns)		8																				
Braid Dimensions: strand diameter ( $\emptyset$ )	mm	0.148																				
Braid Resistance	$\Omega$ /km	< 7.2																				
Braid Coverage	%	77																				
2nd foil		No																				
2nd foil glued to the dielectric		No																				
Petrol-Jelly		Yes																				
Anti-migrating film		No																				
Outer sheath Diameter	mm	10.1																				
Outer sheath Material		LSFH, UV-resistant																				
Outer sheath Thickness	mm	1																				
Minimum bending radius	mm	50																				
Transfer impedance (5-30MHz)	m $\Omega$ /m	< 5																				
1GHz shielding	dB	> 85																				
Spark Test	Vac	8000																				
Capacitance	pF/m	53																				
Impedance	$\Omega$	75																				
Velocity ratio	%	84																				
Operating temperature	$^{\circ}$ C	-25 ... 70																				
Frequencies		5 MHz	47 MHz	54 MHz	90 MHz	200 MHz	500 MHz	698 MHz	800 MHz	862 MHz	950 MHz	1000 MHz	1220 MHz	1350 MHz	1750 MHz	2050 MHz	2150 MHz	2200 MHz	2300 MHz	2400 MHz	3000 MHz	
Attenuation (typ.)	dB/m	0.01	0.03	0.03	0.04	0.06	0.09	0.1	0.11	0.12	0.12	0.13	0.14	0.15	0.18	0.19	0.2	0.2	0.21	0.21	0.21	0.24