TSR 系列射频同轴电缆 Radio frequency coaxial cable LMR series

TSR300

1.内导体 Inner Conductor　2.绝缘 Insulation
3.外导体 Outer Conductor　4.外导体 Outer Conductor
5.护套 Jacket

电缆结构/Construction

内导体 Inner Conductor	铜线或铜包钢线 BC or CCS Wire	1.78±0.02
绝缘 Insulation	发泡聚乙烯 Physical foaming PE	4.83±0.10
外导体 Outer Conductor	铝箔 Al-PET Foil	4.98±0.10
	编织线 Braiding Wire	5.72±0.10
护套 Jacket	聚氯乙烯或聚乙烯 PVC or PE	7.62±0.10

机械性能/Mechanical Characteristics

弯曲半径(mm) Bending Radius	单次 Single	40
	多次 Repeated	75
耐温等级 Temperature	℃	-40~+75

环境负荷物质应对情况/Environment-Friendliness

RoHS 指令/2011/65/EU	满足/ Compliant

电气性能/Electrical Characteristics

特性阻抗/Impedance	Ω	50±2	
绝缘电阻 Insulation Resistance	MΩ・km	>5×10^3	
绝缘耐压强度 Dielectric Strength	KV	2.0	
护套耐压强度 Jacket Strength	KV	浸水（flooding ）3.0	
		火花（spark）5.0	
回波损耗 Return Loss	dB	VHF≥20	
		UHF≥20	
屏蔽衰减 Screening Attenuation	dB	≥90	
衰减 Attenuation@20℃	dB/100m	30MHz	3.5
		50MHz	4.5
		150MHz	7.9
		220MHz	9.6
		450MHz	13.8
		900MHz	19.9
		1500MHz	26.0
		1800MHz	28.7
		2000MHz	30.3
		2500MHz	34.2
		5800MHz	54.2