

YSCI-762M

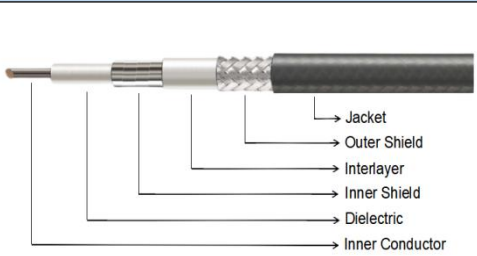
10 GHz, ϕ 7.62 mm Communication Interconnect Cable Assembly

Key Features

- Low VSWR
- Low Insertion Loss
- UV Resistant Jacket
- Stable RF Performance
- Flexible Installation

Applications

- Base Station Interconnects
- RF System Interconnections
- Vehicular RF Systems
- Wireless Communication Systems
- Outdoor RF Installations

Cable Construction									
			Cable Type		Dia.(mm)		Material		
			Inner Conductor		ϕ 1.78		Copper		
			Dielectric		ϕ 4.83		Foamed Polyethylene		
			Inner Shield		ϕ 5.08		Flat Silver-Plated Copper Braid		
			Interlayer		---		Aluminum Foil		
			Outer Shield		ϕ 5.94		Tin-Plated Copper Wire		
			Jacket		ϕ 7.62		Black PUR Jacket		
Electrical Specifications					Mechanical Specifications				
Operating Freq.		10 GHz			Static Bending Radius		38 mm		
Cut-off Freq.		23 GHz			Dynamic Bending Radius		76 mm		
Impedance		50 Ω			Weight		80 g/m		
Velocity of Propagation		83%			Environmental Specifications				
Shielding Effectiveness		>90 dB			Operating Temperature		-45 to +85°C		
Dielectric Withstanding Voltage		1500 VDC							
Attenuation (dB/100 M, Typical at +25°C) & Power Handling (W, Typical at +40°C)									
Freq.(GHz)	0.3	0.5	1	2	3	4	5	6	10
Attenuation	11.4	14.8	21.2	30.7	38.1	44.6	50.4	55.8	74.5
Avg. Power	900	691	482	334	268	229	203	183	137
Typical Cable Attenuation Calculation Formula: $K1*\sqrt{F(\text{MHz})} + K2*F(\text{MHz})$ $K1=0.637589, K2=0.001073$									
Connectors Options									
Connectors	Freq.(Max)	VSWR (Max)			Connectors	Freq.(Max)	VSWR (Max)		
BNC(B)	4 GHz	1.30:1			N(N)	18 GHz	1.25:1		

Cable Assemblies Naming Rule:

PN: Cable-Length(M)-Connector 1-Connector 2

Ex.: YSCI-762M-1M-NM-NF means YSCI-762M cable, L=1M, N(M)-N(F).

Add "R" for Right-Angle Connector, Add "H" for Bulkhead Connector (e.g., NMR, NFH).