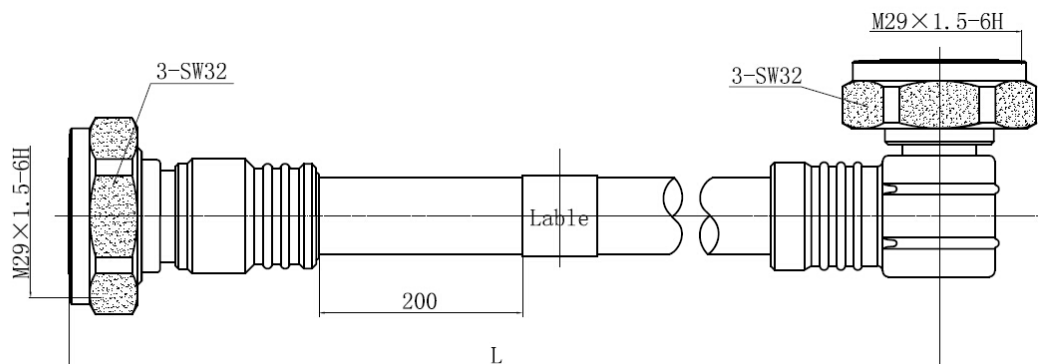


Connector Type	Cable Type	Description
7/16 Male-7/16 Male RA	1/2" super-flex cable	7/16 male to 7/16 RA male 1/2" super-flex cable



All dimensions are in mm

NO.	Junmp Length (mm)	Tolerances (mm)	Part Number	Insertion Loss
1	3000	± 30	7/16M.H.AC- 7/16MR.H-YD9.3m	≤ 0.68 (@2200MHz)
2	5000	± 50	7/16M.H.AC - 7/16MR.H -YD9.5m	≤ 1.03 (@2200MHz)
3	7000	+90 0	7/16M.H.AC - 7/16MR.H -YD9.9m	≤ 1.72 (@2200MHz)

Rev: S/1

Item number:

Parts

Connector 1	7/16 male connector
Connector 2	7/16 RA male connector
Cable	1/2" super-flex cable
Molding	Black PE
Marking label	Wrap stick type

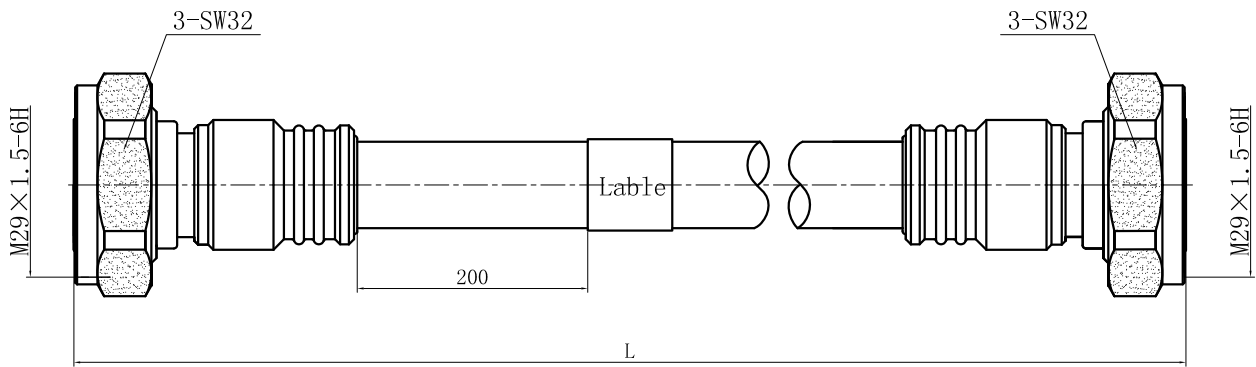
Documents

Connector specification	IEC 60169-4
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Electrical data

Impedance	50 Ω
Frequency	DC to 7.5 GHz
VSWR	≤ 1.150 to 2.2GHz
Insertion loss	≤ 1.20 @ 0 to 3 GHz
Insulation resistance	See table
Center contact resistance	≥ 10000 M Ω

Outer contact resistance	≤ 0.4 mΩ	
Dielectric Strength	≤ 0.2 mΩ	
PIM (@900MHz、1800MHz 2×20W)	2000 V RMS, at sea level ≤-155dBc (2 x 43 dBm)	
Mechanical data		
Termination cable retention	≥300N	
Environmental data		
Temperature range	-45 ° C to +85 ° C	
Suitable cables		
	1/2super-flex cable	
Draft:	Checker:	Approve:



Drawing No: 7/16双针型接YD9焊接式电缆组件Lm BOM REV: B/0

Interface 界面

According to IEC61169-4

Electrical data 电气性能

Impedance 阻抗	50 ohm
Frequency 频率	0-7.5GHz
VSWR 驻波	≤1.10 (0-2.2G) ≤1.15 (0-3G)
Dielectric strength 介质耐压	≥2000V RMS, at sea level
Dielectric Resistance 绝缘电阻	≥10000MΩ
Insertion loss 插入损耗	见下表
Center contact resistance 中心接触电阻	≤0.4mΩ
Outer contact resistance 外接触电阻	≤0.2mΩ

Mechanical data 机械特性

Mating cycles 插拔次数	≥500次
Termination cable retention 端接电缆保持力	≥300N
Apply with the electric cable 适配电缆	1/2S电缆

Environmental data 环境数据

Temperature range 温度范围	-40℃~+85℃
Environmental requirements 环保要求	RoHS

Material and plating 材料及电镀

Connector parts	Material	Plating
Outer contact (外导体)	Brass	CuSnZn
Center contact (中心导体)	Brass	Ag
Fastener (紧固件)	Brass	Ni
Dielectric (绝缘介质)	PTFE	-

拟制: 审核: 批准:

序号	跳线长度(L)mm	允许公差mm	产品型号	插入损耗
1	2000	±25	7/16M. H. AC_7/16M. H. AC-YD9. 2m	≤0.51dB (@2200MHz)
2	3000	±30	7/16M. H. AC_7/16M. H. AC-YD9. 3m	≤0.68dB (@2200MHz)
1	5000	±50	7/16M. H. AC_7/16M. H. AC-YD9. 5m	≤1.03dB (@2200MHz)
2	6000	±60	7/16M. H. AC_7/16M. H. AC-YD9. 6m	≤1.20dB (@2200MHz)