

Standard Plenum Jumper, $\varnothing 6.2$ mm, 6 GHz, Pre-assembled Connector Cable-entry

SPJ_SM222L_PCC

Properties

- Pre-assembled Connector Cable-entry (PCC)
- Plenum rated
- Hand-formable alternative to semi-rigid cables
- Small bend radius allows for space saving routing and packaging
- Performance comparable to semi-rigid cables
- Non-magnetic
- Compatible with HUBER +SUHNER's connectors of Cable Group Z1



Product configuration

Type of cable	SUCOFORM_222_LA_CU_CMP
Type description connector A	PCC
Type description connector B	PCC
Length type	Cable length

Electrical data

Impedance	50 Ω
Max. operating frequency	6 GHz
Min. return loss	20 dB
Passive intermodulation (IM3)	≤ -160 dBc; 2x 20 W; at 1.8 GHz
Signal delay	4.3 ns/m
Propagation velocity	76.7 %
Min. screening effectiveness	> 100 dB
Max. screening frequency	18 GHz
CW Power at 40°	930 W at 1 GHz

Electrical Data (frequency related)

Frequency range	Return loss	VSWR max	Insertion loss
0.38 GHz ... 1 GHz	29 dB		
1 GHz ... 2.2 GHz	27 dB		
2.2 GHz ... 2.7 GHz	26 dB		
2.7 GHz ... 3.8 GHz	23 dB		

Standard Plenum Jumper, ø6.2 mm, 6 GHz, Pre-assembled Connector Cable-entry SPJ_SM222L_PCC

Electrical Data (frequency related)			
Frequency range	Return loss	VSWR max	Insertion loss
3.8 GHz ... 6 GHz	20 dB		
Mechanical data			
Weight	10.05 kg/100m		
Cable diameter	6.2 mm		
Repeated bending radius	120 mm		
Environmental data			
Operation temperature	-40 °C ... 105 °C		
Installation temperature	-20 °C ... 60 °C		
Ingress protection (IP Rating)	Mated / IP67 (1 h of water, 0.5 m)		
Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85136923	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
85140282	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
85118309	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
85081440	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
85118310	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
Comment			
The Pre-assembled Connector Cable-entry (PCC) allows for an easy and quick installation of the coaxial connector. Any HUBER +SUHNER connector of the Cable Group Z1 is compatible with the PCC cable entry. Please refer to the assembly instructions of the specific connector.			
Ordering information			
Item number	Item description		
85136923	SPJ/SM222L/PCC/PCC/00200		
85140282	SPJ/SM222L/PCC/PCC/00500		
85118309	SPJ/SM222L/PCC/PCC/01000		
85081440	SPJ/SM222L/PCC/PCC/02000		
85118310	SPJ/SM222L/PCC/PCC/04000		

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P58777 / Date of publication: 03.12.2025 / uncontrolled copy