

Standard Plenum Jumper, $\varnothing 4.1$ mm, 6 GHz, Pre-assembled Connector Cable-entry

SPJ_SM141L_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_141_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	78.2 %
Min. screening effectiveness	> 100 dB
Max. screening frequency	18 GHz
CW Power at 40°	500 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, Ø4.1 mm, 6 GHz, Pre-assembled Connector Cable-entry SPJ_SM141L_PCC

Electrical Data (frequency related)			
Frequency range	Return loss	VSWR max	Insertion loss
3.8 GHz ... 6 GHz	20 dB		
Mechanical data			
Weight		4.6 kg/100m	
Cable diameter		4.1 mm	
Repeated bending radius		20 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
85097762	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
85097763	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
85097764	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
85097765	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
85097766	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
85097767	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
85097768	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
85097769	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
85098072	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
85098073	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

Standard Plenum Jumper, Ø4.1 mm, 6 GHz, Pre-assembled Connector Cable-entry SPJ_SM141L_PCC

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
85097762	SPJ/SM141L/PCC/PCC/00500
85097763	SPJ/SM141L/PCC/PCC/01000
85097764	SPJ/SM141L/PCC/PCC/01500
85097765	SPJ/SM141L/PCC/PCC/02000
85097766	SPJ/SM141L/PCC/PCC/02500
85097767	SPJ/SM141L/PCC/PCC/03000
85097768	SPJ/SM141L/PCC/PCC/03500
85097769	SPJ/SM141L/PCC/PCC/04000
85098072	SPJ/SM141L/PCC/PCC/04500
85098073	SPJ/SM141L/PCC/PCC/05000

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-P58773 / Date of publication: 03.12.2025 / uncontrolled copy