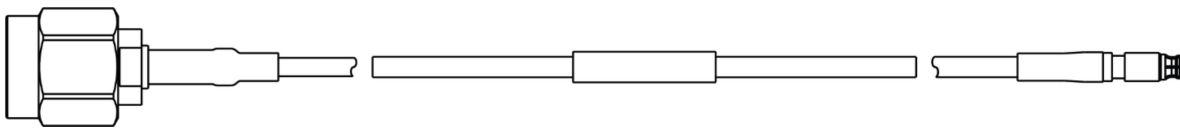


Technical Data Sheet				Rosenberger			
Cable assembly RPC-1.85 / WSMP – RTK-Flex047				70U-08S1-W1K1-XXXXXMY			
							
All dimensions are in mm; tolerances: ≤ 100: XXX ± 2.0; > 100 to ≤ 1500: XXX ± 5.0; > 1500 to ≤ 3000: XXX ± 10.0; > 3000: ± 1.5%							
Available variants							
Type		Max Insertion Loss		Marking		Weight (g) / pce	
70U-08S1-W1K1-XXXXXMY		≤ 0.0137 dB/mm * A mm + 1.42 dB		Rosenberger NA    wwyy 70U-08S1-W1K1-XXXXXMY		0.0052 g/mm * A mm + 2.97 g	
XXXXXX – length in mm = A		MY – (M) matching type: P = pair matched; L = lot matched; within (Y) picoseconds measured at midband A ≥ 102 mm: Also marked with delay value in picoseconds and pair or lot ID					
ww – week                      yy – year							
Note:    max Insertion Loss: First Constant = Cable attenuation in dB/mm; Second Constant = Connector left and Connector right							
Weight: First Constant = Cable weight per mm; Second Constant = Connector left and Connector right per pce							
Assembly parts							
Connector left		RPC-1.85 Plug		08S141-270L5			
Connector right		WSMP Jack		W1K101-270D3			
Cable		RTK-Flex 047					
Electrical data							
Impedance		50 Ω					
Frequency		DC to 70 GHz					
Return Loss <sup>1</sup>		≥ 15 dB, DC to 18 GHz ≥ 10 dB, 18 GHz to 50 GHz ≥ 8 dB, 50 GHz to 70 GHz					
Insertion Loss <sup>1</sup>		see table available variants					
Delay Matching		PY: pair-matched within Y ps LY: lot-matched within Y ps, lots ≤ 25 pcs					
<sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor							
Mechanical data							
Minimum bend radius:							
Single		5 mm					
Multiple		10 mm					
Environmental data							
Temperature range		-40°C to +125°C					
RoHS		compliant					
While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.							
Draft				Rev.		Date	
Date				Engineering change number		Name	
Approved							
Date							
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