

opticalCON Duo Broadcast Tactical SMPTE Cable Assembly Technical Information

Technical Information

Product	
Title	opticalCON DUO SMPTE
Gender	male
Electrical	
Contact resistance	< 7 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 10 GΩ (initial)
Mains	65V AC / 6A / 50Hz
	65V DC / 6A
Sense	50V AC / 3A / 50Hz
	50V DC / 3A
	When operating outside the intended connection frequency, the electronic and electrical devices must be tuned to each other including the transmission path. The Neutrik Group accepts no liability in this case.
Mechanical	

Cable retention	500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	5000 mating cycles
Wiresize	
Wiresize	2 x 24 AWG + 4 x 20 AWG
Locking device	Push-Pull
Material	
Boot	Rubber (EPDM)
Bushing	Zinc diecast (ZnAl4Cu1)
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA 6, PBT 30 % GR, PBT 50 % GR)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Black chromium
Strain relief	Polyacetal (POM) (brass)
Environmental	
Temperature range	Operating temperature -40 °C to +75 °C by relative humidity 93%
Flammability	UL94 V-0
Protection class	in mated condition IP65

Certification according to	IEC 61984 :2008
	UL 1977 :2016
	CSA C22.2 No 182.3 :2016
Optical	
Insertion loss	0.4 dB
Optical connector	LC-Duplex (PC/APC)
Optical wiring	ISO / IEC 11801
Mobile cable	
Colour	black, matte
Core diameter	9 µm
Cladding diameter	125 µm
minimal bending radius	5.5 cm
Number of fibers	2
Cable retention	Crimp type
Strength member	Stainless Steel
Weigth	120 kg/km
Overall diameter	9.2 mm