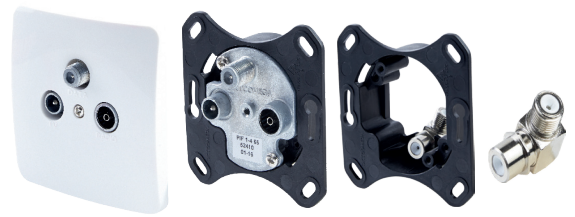


push-in-outlets euro



Product information

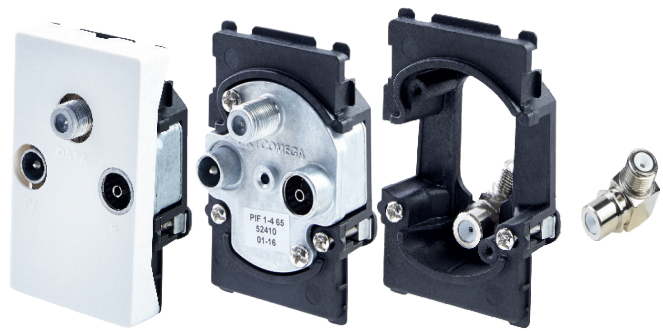
DKT presents the only DOCSIS 3.1 capable Service Termination Point ready for installation in DOCSIS 3.0 networks. Euro form factor style Push-in-Outlet is the ideal coax service termination point to ensure fast migration from DOCSIS 3.0 to 3.1 by means of Do-It-Yourself (DIY) upgrade kits. Once the initial Service Termination Point installation is completed by professional installers, future outlet frequency upgrades, required for increased DOCSIS bandwidth, can be done by exchanging the Push-In-Filter supplied in a DIY kit. This kit has to contain a Push-in-Filter and a new face plate. With the current DOCSIS 3.0 return path frequency range of 5-65MHz, the initial installation of Euro PIO 1-4 65 as the Service Termination Point, is the best choice to ensure immediate access to 1300MHz (DOCSIS 3.1), and at the same time serve as platform for future DIY upgrades of the Push-In-Filter. In Push-In-Outlet installations the incoming cable is fitted with a suitable F-connector at once, and the Diplex filter can be exchanged over and over again, without damaging or cutting the incoming cable.

Complete outlet installation kit	Type	Item no.
Euro PIO 1-4 65		
Euro Face Plate - White	EFP-DTR	52441
Push-In-Filter	PIF 1-4 65	52410
Euro Frame	EFr	52440
Euro Frame Claws and screws	EFCS	52449
PIO Elastics band	PEB	52448
90 degree Female F	90FF	84040
Euro PIO 1-4 65DVU		
Euro Face Plate - White	EFP-DT	52442
Push-In-Filter	PIF 1-4 65DVU	52415*
Euro Frame	EFr	52440
Euro Frame Claws and screws	EFCS	52449
PIO Elastics band	PEB	52448
90 degree Female F	90FF	84040
Euro PIO 1-4 204		
Euro Face Plate - White	EFP-DT	52442
Push-In-Filter	PIF 1-4 204	52412
Euro Frame	EFr	52440
Euro Frame Claws and screws	EFCS	52449
PIO Elastics band	PEB	52448
90 degree Female F	90FF	84040
Euro PIO 1-4 204 2T		
Euro Face Plate - White	EFP-DTT	52444*
Push-In-Filter	PIF 1-4 204 2T	52417*
Euro Frame	EFr	52440
Euro Frame Claws and screws	EFCS	52449
PIO Elastics band	PEB	52448
90 degree Female F	90FF	84040
Euro PIO HNI		
Euro Face Plate - White	EFP-HNI	52443
Push-In-Filter	PIF HNI	52416*
Euro Frame including claws	EFr	52440
Euro Frame Claws and screws	EFCS	52449
PIO Elastics band	PEB	52448
90 degree Female F	90FF	84040
Euro PIO 1-4 85*		
Euro Face Plate - White	EFP-DT	52442
Push-In-Filter	PIF 1-4 85	52411*
Euro Frame	EFr	52440
Euro Frame Claws and screws	EFCS	52449
PIO Elastics band	PEB	52448
90 degree Female F	90FF	84040



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push-in-outlets freja



Product information

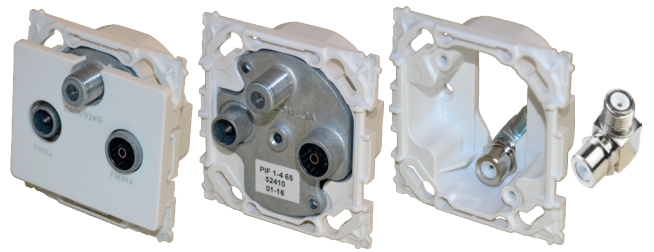
DKT presents the only DOCSIS 3.1 capable Service Termination Point ready for installation in DOCSIS 3.0 networks. Freja Push-in-Outlet is the ideal coax service termination point to ensure fast migration from DOCSIS 3.0 to 3.1, by means of Do-It-Yourself (DIY) upgrade kits. Once the initial Service Termination Point installation is completed by professional installers, future outlet frequency upgrades, required for increased DOCSIS bandwidth, can be done by exchanging the Push-In-Filter supplied in a DIY kit. This kit has to contain a Push-in-Filter and a new face plate. With the current DOCSIS 3.0 return path frequency range of 5-65MHz, the initial installation of Freja PIO 1-4 65 as the Service Termination Point, is the best choice to ensure immediate access to 1300MHz (DOCSIS 3.1), and at the same time serve as platform for future DIY upgrades of the Push-In-Filter. In Push-In-Outlet installations the incoming cable is fitted with a suitable F-connector at once, and the Diplex filter can be exchanged over and over again, without damaging or cutting the incoming cable.

Complete outlet installation kit	Type	Item no.
Freja PIO 1-4 65		52450
Freja Face Plate - White	FFP-DTR	52431
Push-In-Filter	PIF 1-4 65	52410
Freja Frame including claws	FFr	52430
90 degree Female F	90FF	84040
Freja PIO 1-4 65DVU		52451*
Freja Face Plate - White	FFP-DT	52432
Push-In-Filter	PIF 1-4 65DVU	52415*
Freja Frame including claws	FFr	52430
90 degree Female F	90FF	84040
Freja PIO 1-4 204		52452
Freja Face Plate - White	FFP-DT	52432
Push-In-Filter	PIF 1-4 204	52412
Freja Frame including claws	FFr	52430
90 degree Female F	90FF	84040
Freja PIO 1-4 204 2T		52462*
Freja Face Plate - White	FFP-DTT	52424*
Push-In-Filter	PIF 1-4 204 2T	52417*
Freja Frame including claws	FFr	52430
90 degree Female F	90FF	84040
Freja PIO HNI		52453
Freja Face Plate - White	FFP-HNI	52433
Push-In-Filter	PIF HNI	52416
Freja Frame including claws	FFr	52430
90 degree Female F	90FF	84040



Item numbers marked with * are special order products with MOQ

push-in-outlets Odin



Product information

DKT presents the only DOCSIS 3.1 capable Service Termination Point ready for installation in DOCSIS 3.0 networks. Euro form factor style Push-in-Outlet is the ideal coax service termination point to ensure fast migration from DOCSIS 3.0 to 3.1 by means of Do-It-Yourself (DIY) upgrade kits. Once the initial Service Termination Point installation is completed by professional installers, future outlet frequency upgrades, required for increased DOCSIS bandwidth, can be done by exchanging the Push-In-Filter supplied in a DIY kit. This kit has to contain a Push-in-Filter and a new face plate. With the current DOCSIS 3.0 return path frequency range of 5-65MHz, the initial installation of Odin PIO 1-4 65 as the Service Termination Point, is the best choice to ensure immediate access to 1300MHz (DOCSIS 3.1), and at the same time serve as platform for future DIY upgrades of the Push-In-Filter. In Push-In-Outlet installations the incoming cable is fitted with a suitable F-connector at once, and the Diplex filter can be exchanged over and over again, without damaging or cutting the incoming cable.

Complete outlet installation kit	Type	Item no.
Odin PIO 1-4 65		
Odin Face Plate - White	OFP-DTR	52481
Push-In-Filter	PIF 1-4 65	52410
Odin Frame - White	OFr	52480
90 degree Female F	90FF	84040
Odin PIO 1-4 65DVU		
Odin Face Plate - White	OFP-DT	52482*
Push-In-Filter	PIF 1-4 65DVU	52415*
Odin Frame - White	OFr	52480
90 degree Female F	90FF	84040
Odin PIO 1-4 204		
Odin Face Plate - White	OFP-DT	52482*
Push-In-Filter	PIF 1-4 204	52412
Odin Frame - White	OFr	52480
90 degree Female F	90FF	84040
Odin PIO 1-4 204 2T		
Odin Face Plate - White	OFP-DTT	52427*
Push-In-Filter	PIF 1-4 204 2T	52417*
Odin Frame - White	OFr	52480
90 degree Female F	90FF	84040
Odin PIO HNI		
Odin Face Plate - White	OFP-HNI	52483
Push-In-Filter	PIF HNI	52416
Odin Frame - White	OFr	52480
90 degree Female F	90FF	84040



Item numbers marked with * are special order products with MOQ

push-in-filters



Data sheet

Type	PIF 1-4 65	PIF 1-4 65DVU	PIF 1-4 85	PIF 1-4 204	PIF 1-4 2042T	PIF HNI
Version	Diplex	Diplex	Diplex	Diplex	Diplex	Transparent
Push-In-Filter Item no.	52410	52415*	52411*	52412	52417*	52416
Complete Freja coax outlet Item no.	52450	52451*	-	52452	52462*	52453
Complete Odin coax outlet Item no.	52470	52471*	-	52472	52474*	52473
Complete Euro coax outlet Item no.	52455	52456*	52458*	52457	52459*	52454
DATA						
Frequency forward	118 - 1218 MHz	118 - 1218 MHz	118 - 1218 MHz	258 - 1218 MHz		5 - 1218 MHz
Frequency reverse	5 - 65 MHz	5 - 65 MHz	5 - 85 MHz	5 - 204 MHz		5 - 1218 MHz
Insertion loss forward	5-118MHz	-	-	-	-	< 0.1 (± 0.1) dB
	118-125MHz	-	4.0 (± 1.2) dB	-	-	< 0.2 (± 0.2) dB
	125-1006MHz	-	4.0 (± 0.8) dB	-	-	-
	118-1006MHz	4.0 (± 0.8) dB	-	4.0 (± 0.8) dB	-	-
	258-1006MHz	-	-	-	4.0 (± 0.8) dB	-
1006-1218MHz	4.0 (± 1) dB	4.0 (± 1,2) dB	4.0 (± 1) dB	4.0 (± 1) dB	4.3 (± 0.9) dB	<0.3 (± 0.2) dB
Insertion loss reverse	0.6 (± 0.6) dB	0.7 (± 0.7) dB	0.6 (± 0.6) dB	0.6 (± 0.6) dB		Refer to IL forward
Return loss	IEC 60728-4 5.3.4.2					
Isolation to DATA-TV	5-65MHz	> 40 dB	> 40 dB	-	-	-
	5-85MHz	-	-	> 40 dB	-	-
	5-204MHz	-	-	-	> 40 dB	-
	118-862MHz	> 18 dB	> 18 dB	> 20 dB	-	-
	258-790MHz	-	-	-	-	-
	258-862MHz	-	-	-	> 20 dB	-
Isolation to DATA-FM	862-1218MHz	-	-	> 15 dB	> 15 dB	> 14 dB
	Return	> 40 dB	-	-	-	-
	Forward	> 20 dB	-	-	-	-
Connector	F-Female EN 61169-24					
TV						
Frequency range [MHz]	118 - 1218	87.5 - 1218	118 - 862	258 - 1218		-
Insertion loss 87.5-108 MHz	-	4,5 (± 1,5) dB	-	-	-	-
Insertion loss 118-125MHz	5.0 (± 1,5) dB	4.5 (± 1,5) dB	-	-	-	-
Insertion loss 125-862MHz	5.0 (± 1,5) dB	4.5 (± 1,5) dB	-	-	-	-
Insertion loss 118-125MHz	-	-	5.0 (± 1) dB	-	-	-
Insertion loss 125-862MHz	-	-	4.0 (± 1) dB	-	-	-
Insertion loss 258-265MHz	-	-	-	5.0 (± 1) dB	7.8 (± 1) dB	-
Insertion loss 265-790MHz	-	-	-	-	-	-
Insertion loss 265-862MHz	-	-	-	4.0 (± 0.8) dB	7.3 (± 1) dB	-
Insertion loss 862-1218MHz	5.2 (± 2) dB	5.2 (± 2) dB	-	4.0 (± 1.5) dB	7.7 (± 1.5) dB	-
Return loss ¹	IEC 60728-4 5.3.4.2					
Isolation IN-TV	5.2 (± 2) dB	5.2 (± 2) dB	> 35 dB (5-85 MHz)	> 35 dB (5-205 MHz)	-	-
Isolation TV-TV (258-862MHz)	-	-	-	-	>22dB	-
Connector	IEC-Male EN61169-2					
FM						
Frequency range	87.5 - 108 MHz	-	-	-	-	-
Insertion loss	5 (± 1.5) dB	-	-	-	-	-
Return loss 87.5-108 MHz	>10 dB	-	-	-	-	-
Connector	IEC-Female EN61169-2	-	-	-	-	-
Common						
Input return loss TV (5-1218 MHz)	IEC 60728-4 5.3.4.2 in passbands					
Input connector	Push-on IEC-Female EN61169-24					
Screening effectiveness	5 - 30 MHz	> 90 dB				
	30 - 300 MHz	> 85 dB				
	300 - 470 MHz	> 80 dB				
	470 - 1218 MHz	> 75 dB				
Operating temperature	0° C - 55° C					
Max dimensions (HxWxD)	Filters : 48.5x44x30; Euro 80.8x80.8x; xFreja 46.6x71.6x45.2;					
Metal Housing	RoHS compliant Zink alloy					

DKT COMEGA

push-in-outlet installation tools

Product information

Push-in-outlet installation will often be done in tight confined spaces, a line of tools designed for stripping and compression in confined spaces has been developed to ease PIO installation.

PCS Family

The PIO Cable Stripper PCS-xx will work in extension of the cable direction and the head will, with ease, fit to the tight spaces usually found in coax outlet installation cases.

The PCT tools are available in 3 different versions, to match different cable dimensions.

To prevent contamination of the braid and braid penetration of skin, the PCS tool has a braid brush that allows the installer to straighten the braid without use of the fingertips



Type	PCS-RG6/59-OD	PCS-RG6/59-ID	PCS-5-ID
Push-In-Filter Item no.	91101	91104	91105
General description	Outdoor RG6 & RG59 cable	Indoor 6.7mm RG6 & RG59 cable	Indoor 5mm cable
Stripping length Center conductor	6.4mm	6.4mm	6.4mm
Stripping length Braid/Foil	6.4mm	6.4mm	6.4mm
Knifeblock color	Black	Grey	Orange

PCT

The POI Compression Tool PCT has a small narrow head and are suitable for compression of F-56-CX3 7.0QM Short connector as well as other common F-connectors and the 90-FMC and 90-C connectors. Furthermore with exchange of the plunger other Cablecon connectors can be compressed with the PTC tool

Product information

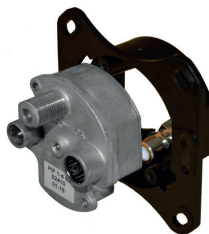


Type	PCT	PCT2
Push-In-Filter Item no.	91103	91111
Description	PIO Compression tool / Cablecon compression tool	PIO Compression tool / Cablecon compression tool
Dimension (Long Plunger)	Open: 27.1mm / Closed : 15.2mm	Open: 27.1mm / Closed : 15.2mm
Dimension (Short Plunger)	Open: 32mm / Closed : 20 mm	Open: 32mm / Closed : 20 mm
Dimension (8405x Plunger)	-	Open 37.6mm / Closed : 25.9mm
Supported connector types	84041-84042,84050	84041-84042,84050-84052

push-in-outlet parts

Product information

Intended for professional installers all parts can be purchased separately.



Description Push-in-Filters		Euro, Freja & Odin Push in filters							
		Type	Item no.	Quantity					
Data 65 MHz+118-1218MHz , TV 118-862MHz, Radio 87.5-108MHz		PIF 1-4 65	52410	10					
Data 85 MHz+118-1218MHz , TV 118-862MHz		PIF 1-4 85	52411*	10					
Data 204 MHz+258-1218MHz , TV 258-862MHz		PIF 1-4 204	52412	10					
Data 204 MHz+258-1218MHz , 2 pcs. TV 258-862MHz		PIF 1-4 204 2T	52417	10					
Data 65 MHz+118-1218MHz , Radio/TV 87,5-862MHz		PIF 1-4 65DVU	52415*	10					
Single Female F-Port 5-1218MHz		PIF HNI	52416	10					
Description Push-In-Outlet mounting frames									
	Euro Frames		Freja Frames		Odin Frames		Quantity		
	Type	Item no.	Type	Item no.	Type	Item no.			
Frame for PIF mounting - Euro and Freja are Black, Odin are White		EFr	52440	FFr	52430	OFr	52480	20	
Description face plates		Euro Face plates			Freja & Odin Face plates			Quantity	
		Type	Item no.	Quantity	Freja Face plates		Odin Face plates		
Data, TV, Radio - White - Matches PIF 1-4 65		EFP-DTR	52441	20	FFP-DTR	52431	OFP-DTR	52481	20
Data, TV - White- Matches PIF 1-4 85 , 1-4 204 and DVU		EFP-DT	52442	20	FFP-DT	52432	OFP-DT	52482	20
Data, TV - White- Matches 1 Port PIF HNI		EFP-HNI	52443	20	FFP-HNI	52433	OFP-HNI	52483	20
Data, 2xTV - White Matches PIF 1-4 204 2T		EFP-DTT	52444	20	FFP-DTT	52424	OFP-DTT	52427	20
Data, TV, Radio - Light Grey - Matches PIF 1-4 65					FFP-DTR-G	52434*	OFP-DTR-G	52484*	20
Data, TV, Radio - Antracite - Matches PIF 1-4 65					FFP-DTR-KG	52435*	OFP-DTR-KG	52485*	20
Data, TV, Radio - Light Grey - Matches PIF 1-4 204, PIF 1-4 65DVU					FFP-DT-G	52437*	OFP-DT-G	52487*	20
Data, TV, Radio - Antracite - Matches PIF 1-4 204, PIF 1-4 65DVU					FFP-DT-KG	52438*	OFP-DT-KG	52488*	20
Data, TV - Light Grey- Matches 1 Port PIF HNI					FFP-HNI-G	52436*	OFP-HNI-G	52486*	20
Data, TV - Antracite - Matches 1 Port PIF HNI					FFP-HNI-KG	52439*	OFP-HNI-KG	52489*	20
Data, 2xTV - Light Grey- Matches 3 Port PIF 1-4 204 2T					FFP-DTT-G	52425*	OFP-DTT-G	52428*	20
Data, 2xTV - Antracite - Matches 3 Port PIF 1-4 204 2T					FFP-DTT-KG	52426*	OFP-DTT-KG	52429*	20
Description Push-In-Outlet interface connectors		Euro & Freja Push in connectors							
		Type	Item no.	Quantity					
90 degree Female F to Female PIF connector (Push-On-connector)		90FF	84040	100					
90 degree Female PIF Connector (Push-on-connector) to Mini cable - For interfacing mini cable directly to Push-In-Filter		90-FCM	84041	10					
90 degree Threaded Female F to mini 3.6mm compression connector- For interfacing mini cable to F connector		90-TFCM	84042	10					
90 degree Female F 13 cm mini cable to PIF connector - Extension jumper for difficult cable mounts		90FF13	84043	20					
Straight quick mount F-connector - interface on incoming cable (Replaces 84050 by September 2020)		F-6-TD QM 7.0	80259	100					
Straight quick mount F-connector - interface on incoming cable (No longer available after September 2020)		F-56-CX3 7.0QM Short	84050	100					
90 degree quick mount PIO-connector - for direct moug on DG135, 11/48 and similar cable types		90-DKT-56-CX3 7.0 QM Short	84051	100					
90 degree quick mount PIO-connector - for direct moug on DG80 and similar cable types		90-DKT-56-CX3 5.0 QM	84052	100					
Description Push-In-Outlet frame claws and elastics bands		Euro PIO accessories			Freja PIO accessories				
		Type	Item no.	Quantity	Type	Item no.	Quantity		
Euro Frame Claws and screws for mount in cavity without screw towers		EFCs	52449	100	-	-			
PIO Elastics band		PEB	52448	100	PEB	52448	100		
Installation tools									
		Type	Item no.	Quantity					
Cable stripper Push-In-Outlet installation 6/6mm stripping length - For outdoor cable - Black		PCS-RG6/59-OD	91101	1					
Cable stripper Push-In-Outlet installation 6/6mm stripping length - For indoor 6.7mm RG6/RG59 cable -Grey		PCS-RG6/59-ID	91104	1					
Cable stripper Push-In-Outlet installation 6/6mm stripping length - For indoor 5mm RG59 DG80/Sat4 cable -Orange		PCS-5-ID	91105	1					
Compression tool for 90FCM and F-56-CX3 7.0QM Short		PCT	91103	1					

Item numbers marked with * are special order products with MOQ

Patent EP 3 410 541

November 4th, 2020

connectors for push-in-outlets

Product information

Depending if new installations are made or the outlets are replacing a previous installation , the cable length and installation space will be different.



In the majority of cases the incoming cable will be terminated e.g. by means of a Short quickmount Male F-connector and connection to the Push-in-filter of the outlet through the 90FF connector.



For more challenging installations where flexibility or length of the incoming cable does not allow the 90FF connector to be used, the 90FF jumper cable will provide plenty of mechanical flexibility.

For cases where the Mini cable is used the 90-FMC connector will fit directly on the cable.




Type	90FF	90-FCM	90-TFCM	90FF13	F-6-TD QM 7.0 Short	F-56-CX3 7.0QM Short	90-DKT-56-CX3 7.0 QM	90-DKT-56-CX3 5.0 QM
Item no.	84040	84041	84042	84043	80259	84050	84051	84052
Input interface	Female F	3.6mm Compression	Female F 3.6mm Compression	Female F 3.6mm Compression	Compression	Compression	7mm Compression	5mm Compression
Output interface	Female Push-on- F		Female Push-on- F	Female Push-on- F	Male F	Male F	Female Push-on- F	
DATA							Preliminary data*	
Insertion loss forward	5-204MHz	< 0.2 dB	< 0.2 dB	<0,5 dB	Refer to Datasheet	Refer to Datasheet	Refer to Datasheet	Refer to Datasheet
	204-1006MHz	< 0.2 dB	< 0.2 dB	<0,5 dB				
	1006-1218MHz	< 0.4 dB	< 0.4 dB	<1 dB				
Return Loss [dB]	5-65MHz: >38 65-205MHz: >31 205-470MHz: >23 258-862MHz: >16 862-1006MHz: >15 1006-1700MHz: >10	5-47MHz: >22dB 47-950MHz: >22dB-1.5dB/oct 950-1000: >11.5dB 1-1.7GHz:Linear: >11.5@1GHz, >10@1.7GHz					Datasheet pending	
screening effectiveness		EN 60966-2-7 Class A 30 - 1000 MHz : > 85 dB 1 - 2 GHz : > 85 dB 2 - 3 GHz : > 65 dB			Refer to Datasheet	Refer to Datasheet		
Dimensions prior to compression	-	21.3x11x22.2mm	21.8x11x19.1mm	-			22.1x11.9x31.9 mm	
Dimensions after compression	-	21.3x11x22.2mm	21.8x11x19.1mm	-			22.1x11.9x27.2mm	
Operating temperature		-10 °C - 55 °C						
Dimensions (LxWxH)	22.2x19.8x11mm	-	-	145±5mm 11mm 22.2mm			Refer to Datasheet (2 pages ahead)	Refer to Datasheet (3 pages ahead)
Metal Housing	Plated Zn & Brass - RoHS compliant							
Cable type	-	-	-	CW415				

F-6-TD QM Short specification (Replaces 84050 by September 2020)

CORNING

Datasheet

	Item no.	99909914-01 DKT Item Number 80259	Connector type	F-6-TD QM 7.0 SHORT W/O O-RING
			For cable	Draka Coax 9 AD 11 S
Frequency Range		0.3 - 3000 MHz	Product photo	
Impedance (Nom.)		75 Ohm		
Amp. Rating (measured)		Cable data		
(calculated)		Cable data		
Transfer Impedance (CoMeT)		Class A <5.00 mΩ/m @ 5-30MHz <0.14 mΩ/item @ 5-30MHz		
Screening Attenuation(CoMeT)		Class A++ >105 dB @ 30-1000MHz >95 dB @ 1000-2000MHz >85 dB @ 2000-3000MHz		
Return Loss (IEC 61169-1)		Better than	Typical	Insertion Loss Max.
	0.3 - 500 MHz	-31 dB	-33.8 dB	0.3 - 500 MHz
	500 - 860 MHz	-30 dB	-32.5 dB	500 - 860 MHz
	860 - 1000 MHz	-29 dB	-32.0 dB	860 - 1000 MHz
	1000 - 1750 MHz	-27 dB	-29.5 dB	1000 - 1750 MHz
	1750 - 2150 MHz	-26 dB	-28.5 dB	1750 - 2150 MHz
	2150 - 3000 MHz	-24 dB	-27.3 dB	2150 - 3000 MHz
Temperature			Intermodulation	IM3
Installing		-5° to +50° C	3rd Order (@2x+27dBm)	-148 dBc
Operating		-40° to +70° C		
Storing		-40° to +70° C	Inner Conductor Resistance (@ 1 A DC)	Cable data
Sealing Test (IEC IP-code)		-	Insulation Resistance (@ 500 VDC)	Cable data
O-rings		-	Dielectric Strength DC Test Voltage	Cable data
Base Material			Max. Tensile Strength Overall	>14 Kgf >137 N
Body Parts		Brass CuZn39Pb3		
Inner Conductor		Cable data	Torsional Strength (Connector / Cable)	* NATM
Plating			Test performed by	Susanne Lindharth
Body Parts		Nitin-6	Approved by	Søren Baldus-Kunze
Inner Conductor		Cable data	Date of release	June 08, 2020
Insulators		POM		

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip. Tensile strength can be limited by the strength of the cable. Please refer to the cable data.

*Connector designed according to the standard IEC 61169-24 (type F)
All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
Further technical specifications and installation instructions can be obtained on request.*

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Corning Public

Form 041 rev 19

Matching cable guide are available from Corning Cablecon web page



<https://goo.gl/34dvLH>

DKT COMEGA

F-56-CX3 7.0QM Short specification (No longer available after September 2020)

CORNING

Datasheet

Item no. **99909428**
 DKTCOMEGA no. **84050**

Connector type **F-56-CX3 7.0 QM SHORT**
 For cable **Ören Kablo HD 103 PLUS**

Frequency Range **0.3 - 3000 MHz**
 Impedance (Nom.) **75 Ohm**
 Amp. Rating (measured) **Cable data**
 (calculated) **Cable data**

Product photo



Transfer Impedance (CoMeT) **Class A++**
<0.9 mΩ/m @ 5-30MHz
<0.02 mΩ/item @ 5-30MHz
 Screening Attenuation(CoMeT) **Class A++**
>125 dB @ 30-1000MHz
>125 dB @ 1000-2000MHz
>110 dB @ 2000-3000MHz

	Better than	Typical
Return Loss (IEC 61169-1) 0.3 - 500 MHz	-35 dB	-37.6 dB
500 - 860 MHz	-34 dB	-36.9 dB
860 - 1000 MHz	-34 dB	-36.4 dB
1000 - 1750 MHz	-31 dB	-33.7 dB
1750 - 2150 MHz	-30 dB	-32.5 dB
2150 - 3000 MHz	-27 dB	-30.1 dB

	Better than	Typical
Insertion Loss Max. 0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-0.06 dB	-0.01 dB

Temperature
 Installing **-5° to +50° C**
 Operating **-40° to +70° C**
 Storing **-40° to +70° C**

Intermodulation
 3rd Order (@2x0,5W) **IM3**
-155 dBc

Sealing Test
 (IEC IP-code) **N/A**

Inner Conductor Resistance
 (@ 1 A DC) **Cable data**

O-rings **-**

Insulation Resistance
 (@ 500 VDC) **Cable data**

Base Material
 Body Parts **Brass / POM**
 Inner Conductor **Cable data**

Dielectric Strength
 DC Test Voltage **Cable data**

Plating
 Body Parts **Nitin-6**
 Inner Conductor **Cable data**

Max. Tensile Strength
 Overall **>31 Kgf**
>304 N

Insulators **Cabel data**

Torsional Strength
 (Connector / Cable) *** NATM**

Remarks *** Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.**

Test performed by **Sven-Erik Sandberg**
 Date of release **September 27, 2016**

*All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
 Further technical specifications and installation instructions can be obtained on request.*

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DKTCOMEGA

Matching cable guide are available from Corning Cablecon web page



<https://goo.gl/34dvLH>

December 14th, 2017

90-DKT-56-CX3 7.0QM specification

CORNING

Datasheet

Item no. 99909598-01
 DKT Item no. 84051

Connector type 90-DKT-56-CX3 7.0 QM
 For cable Cavel 1.1/5.0

Frequency Range 0.3 - 3000 MHz
 Impedance (Nom.) 75 Ohm
 Amp. Rating (measured) 2.5 A @10°C increase
 (calculated) 3.5 A @20°C increase

Product photo



Transfer Impedance (CoMeT) Class A
 <5.0 mΩ/m @ 5-30MHz
 0,14 mΩ/item @ 5-30MHz
 Screening Attenuation(CoMeT) Class A+
 >95 dB @ 30-1000MHz
 >85 dB @ 1000-2000MHz
 >75 dB @ 2000-3000MHz

	Better than	Typical
	Return Loss (IEC 61169-1)	
0.3 - 500 MHz	-26 dB	-29.2 dB
500 - 860 MHz	-23 dB	-25.9 dB
860 - 1000 MHz	-22 dB	-24.9 dB
1000 - 1750 MHz	-17 dB	-20.0 dB
1750 - 2150 MHz	-16 dB	-18.7 dB
2150 - 3000 MHz	-15 dB	-17.5 dB

	Better than	Typical
	Insertion Loss Max.	
0.3 - 500 MHz	-0.10 dB	-0.05 dB
500 - 860 MHz	-0.13 dB	-0.08 dB
860 - 1000 MHz	-0.13 dB	-0.08 dB
1000 - 1750 MHz	-0.18 dB	-0.13 dB
1750 - 2150 MHz	-0.21 dB	-0.16 dB
2150 - 3000 MHz	-0.39 dB	-0.34 dB

Temperature
 Installing -5° to +50° C
 Operating -40° to +70° C
 Storing -40° to +70° C

Intermodulation
 3rd Order (@2x+27dBm) -135 dBc

Sealing Test (IEC IP-code) -

Inner Conductor Resistance (@ 1 A DC) <15.9 mΩ

O-rings -

Insulation Resistance (@ 500 VDC) >200 GΩ

Base Material
 Body Parts Brass CuZn39Pb3
 Inner Conductor Beryllium copper

Dielectric Strength
 DC Test Voltage >2.0 KV

Plating
 Body Parts Nitin-6
 Inner Conductor Nitin-6

Max. Tensile Strength
 Overall >20 Kgf
 >196 N

Insulators POM

Torsional Strength (Connector / Cable) * NATM

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

Test performed by Susanne Lindharth
 Date of release September 25, 2017

All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.

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DKT COMEGA

Matching cable guide are available from Corning Cablecon web page



<https://goo.gl/34dvLH>

November 4th, 2020

90-DKT-56-CX3 5.0QM specification

CORNING

Datasheet

Item no. 99909599
DTK Item no. 84052

Connector type 90-DKT-56-CX3 5.0 QM
For cable Draka Coax 11 AD 08S

Frequency Range 0.3 - 3000 MHz
Impedance (Nom.) 75 Ohm
Amp. Rating (measured) 2.5 A @10°C increase
(calculated) 3.5 A @20°C increase

Product photo



Transfer Impedance (CoMeT) Class A+
<2.5 mΩ/m @ 5-30MHz
0.06 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT) Class A++
>105 dB @ 30-1000MHz
>95 dB @ 1000-2000MHz
>85 dB @ 2000-3000MHz

	Better than	Typical
	Return Loss (IEC 61169-1)	
0.3 - 500 MHz	-26 dB	-28.7 dB
500 - 860 MHz	-24 dB	-26.4 dB
860 - 1000 MHz	-23 dB	-25.7 dB
1000 - 1750 MHz	-19 dB	-22.0 dB
1750 - 2150 MHz	-18 dB	-21.0 dB
2150 - 3000 MHz	-17 dB	-19.7 dB

	Better than	Typical
	Insertion Loss Max.	
0.3 - 500 MHz	-0.15 dB	-0.10 dB
500 - 860 MHz	-0.19 dB	-0.14 dB
860 - 1000 MHz	-0.20 dB	-0.15 dB
1000 - 1750 MHz	-0.22 dB	-0.17 dB
1750 - 2150 MHz	-0.26 dB	-0.21 dB
2150 - 3000 MHz	-0.58 dB	-0.53 dB

Temperature
Installing -5° to +50° C
Operating -40° to +70° C
Storing -40° to +70° C

Intermodulation
3rd Order (@2x+20dBm) -116 dBm

Inner Conductor Resistance (@ 1 A DC) <35.0 mΩ

Sealing Test (IEC IP-code) -

Insulation Resistance (@ 500 VDC) >200 GΩ

O-rings -

Dielectric Strength
DC Test Voltage >2.0 KV

Base Material
Body Parts Brass CuZn39Pb3
Inner Conductor Beryllium copper

Max. Tensile Strength
Overall >15 Kgf
>147 N

Plating
Body Parts Nitin-6
Inner Conductor Nitin-6

Torsional Strength (Connector / Cable) * NATM

Insulators POM

Test performed by Susanne Lindharth
Date of release September 25, 2017

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

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DKT COMEGA

November 4th, 2020