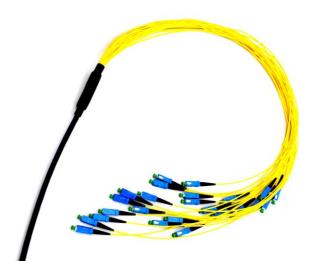


Type:	TCF-xx	02.07.2014
		REV: 5
		ŁD
Code:	TCF-xx, see ordering information	

# **Connectivity solutions**

## TCF - Preterminated multifiber cable- Easylink 1





### **APPLICATION:**

Preconnectorized multifiber cables TCF- Easylink 1 are dedicated for universal applications. Solution allows for termination of loose tube cables as well as other cable types. Fibers from cables are inserted into 0.9mm tubes or reinforced fanouts (diameter 1.8mm and 2.8mm). Additionally furcation point is covered by protection tube and heatshrink sleeve. Connectors are factory installed and tested depending on customer order.

TCF-Easylink 1 cables due to costs perspective are very popular in structural cabling systems where are used as links between distribution points. TCF cable is *Plug and Play* product type what means fast and easy installation on-site. Traditional installation with splicing is much more expensive because requires sophisticated equipment and well trained personnel.

#### TCF DESCRIPTION:

Furcation point maximum outer diameter[mm]	Ø 15	Ø 18	Ø 22	Ø 24	Ø 27
Furcation point length [mm]	55	65	65	70	80
Number of fibers in 0.9mm tubes	4-48	49-96*			
Number of fibers in 1.8mm fanouts	4-16	17-32	33-48	49-60	61-96*
Number of fibers in 2.8mm fanouts	4-10	11-18	19-26	27-32	33-48*
Connector type	SC/SCA/E2/E2A/LC/LCA/FC/FCA/ST				

### \*for higher fiber counts please contact with sales department

### MAIN MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Max. Tensile load (tube to furcation point)	IEC 61753-2-1,	80N-fanout 1.8mm/2.8mm 7N-tuba 900μm		
Crush performance (furcation point)	EN 187101, IEC 60794-1-2-E3, no attenuation increase	100N		
Temperature range Installation	EN 187101, IEC 60794-1-2-F1, no attenuation increase	-10 +50 [°C]		
Operation	EN 187101, IEC 60794-1-2-F1, no attenuation	-30 +70 [°C]		
Transport & Storage	increase	-30 +70 [°C]		
Max connector Insertion Loss	IEC 61300-3-4	≤0.3dB		
Connector Return Loss	IEC 61300-3-6	RL≥65dB(APC); RL≥50dB(UPC); RL≥30dB(PC)		

#### MARKING

Each cable with TCF furcation system marked with serial number. Output legs numbered.

### PACKAGING

Coil or drum depending on cable length.



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### **ORDERING INFORMATION**

Examples:

TCF-12SCA-12SCA-01A-0100-01201-11200

Pre-connectorized cable EXO CO PE with G.652D fibers, 100m length with 12 SCAPC connectors on both sides, equal length of 1.8mm furcation legs on A side -120cm, single cascade on 900 µm tubes for B side, maximal output length for B side- 120cm, Easylink 1

TCF	-12SCA Number and connector type of A side	-12SCA Number and connector type of B side	-01A Two digits – cable typ Letter- fiber type	е;	<b>-0100</b> Total length (in meters)	-01201 First digit – furcation type of A side; Three following digits- maximal output length of A side (in centimeters) Last digit- fanout diameter of A side	-11200 First digit – furcation type of B side; Three following digits- maximal output length of B side (in centimeters) Last digit- fanout diameter of B side
	Available connectors:		Available cables:	Available fiber types:		Furcation type:	Fanout type::
	0400-furcation without connectors		01-Exo-CO PE	A	SMF G.652D	0-equal length of outputs	0-900 μm tubes
	0000-no furcation		02-Exo-C0 LSZH	В	SMF G.655	1-single cascade	1-fanout 1.8 mm
	SC-SCUPC		03-EXO-CI PE	С	SMF G.656	2-double cascade	2-fanout 2.8 mm
	SCA-SCAPC		04-EXO-CI LSZH	D	SMF G.657A1		
	E2-E	2000	05-BDC-C0 PE	E	SMF G.657A2		
	E2A-E2000APC LC-LCUPC		06-BDC-C0 LSZH	F	SMF G.657B2		
			07-BDC-CI PE	G	SMF G.657B3	Maximal outputs length in standard configuration:	
	LCA-L	CAPC	08-BDC-CI LSZH	Н	MMF OM1	200cm, minimal: 50cm; for other outputs length ple contact with sales department	
	FC-F	CUPC	24-BURRY DAC	I	MMF OM2		
	FCA-FCAPC		28-AERO DF 03	J	MMF OM2+	Single cascade- Furcation leg shorter by 3cm than previous one	
			35-FTTA DAC	K	MMF OM3		
				L	MMF OM4		rcation legs shorter by 3cm vious one

Important notice Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.