

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 increase	-30... +70 [°C]
Transport & Storage		-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.

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

## Connectivity solutions

### 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	-12SCA	-01A	-0100	-01201	-11200
	Number and connector type of A side	Number and connector type of B side	Two digits – cable type; Letter- fiber type	Total length (in meters)	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	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	0-equal length of outputs	0-900 μm tubes		
0000-no furcation	02-Exo-CO LSZH	B	1-single cascade	1-fanout 1.8 mm		
SC-SCUPC	03-EXO-CI PE	C	2-double cascade	2-fanout 2.8 mm		
SCA-SCAPC	04-EXO-CI LSZH	D	Maximal outputs length in standard configuration: 200cm, minimal: 50cm; for other outputs length please contact with sales department			
E2-E2000	05-BDC-CO PE	E	Single cascade- Furcation leg shorter by 3cm than previous one			
E2A-E2000APC	06-BDC-CO LSZH	F	Double cascade- Pair of furcation legs shorter by 3cm than previous one			
LC-LCUPC	07-BDC-CI PE	G				
LCA-LCAPC	08-BDC-CI LSZH	H				
FC-FCUPC	24-BURRY DAC	I				
FCA-FCAPC	28-AERO DF 03	J				
	35-FTTA DAC	K				
		L				

#### 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.