

## Connectivity solutions

### TEFM - Preterminated cable SafeBranch 3



- Reinforced fanout tubes
- Specially designed epoxy for outdoor conditions
- Metal tube
- Heatshrink sleeve

#### APPLICATION:

TEFM SafeBranch 3 preterminated cable is ideal for use in FTTA application. This cable assembly is designed to establish optical connection between the remote radio unit (RRU) and the base transceiver station (BTS) directly. Special construction based on reinforced fanouts and epoxy filler of furcation point makes product that withstands the environmental factors that affect FTTA deployments. Product is available with SM/MM fibers and with many connector types (SCUPC; FCUPC; LCUPC; SCAPC; E2000UPC; E2000APC; FCAPC; LCAPC)

Outstanding crash resistance as well as environmental performance allows for product applying in any severe conditions not only FTTA. Factory installed and tested connectors permit for fast and easy cable installation on-site

#### TEFM DESCRIPTION

Furcation point maximum outer diameter[mm]	Ø 10	Ø 12
Furcation point length [mm]	30	30
Number of fibers in 1.8mm fanouts	1-2	3-4
Number of fibers in 2.8mm fanouts	1-2	3-4
Connector type	SC/SCA/E2/E2A/LC/LCA/FC/FCA/ST	

#### MAIN MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Max. Tensile load (tube to furcation point)	IEC 61753-2-1,	150N
Crush performance (furcation point)	EN 187101, IEC 60794-1-2-E3, no attenuation increase	1000N
Temperature range Installation	EN 187101, IEC 60794-1-2-F1, no attenuation increase	-10... +50 [°C]
Operation		-40... +70 [°C]*
Transport & Storage		-40... +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)

\*Depends on cable type

#### MARKING

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

#### PACKAGING

Coil or drum depending on cable length

Type:	TEFM-xx	26.02.2015
		REV: 5
		ŁD
Code:	TEFM-xx, see ordering information	

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### ORDERING INFORMATION

#### Example

TEFM-02SCA-02SCA-01A-0100-1120-1120

Preterminated multifiber cable EXO C0 PE, G.652D fibers with 2 SCAPC connectors on 1.8mm fanouts on both sides, 100m length, the same length of A and B side -120cm, Safebranch 3

TEFM	-02SCA	-02SCA	-01A04	-0100	-1120	-1120
Number and connector type of A side	Number and connector type of B side	Number and connector type of B side	Two digits – cable type; letter- fiber type Last two digits – number of fibers in cable (only if is different than maximum number of connectors on one side of cable);	Total cable length in meters	First digit – fanout type Three following digits- maximal output length of A side	First digit - fanout type Three last digits- maximal output length of B side
Available connectors: 0400-furcation without connectors 0000-no furcation SC-SCUPC SCA-SCAPC E2-E2000 E2A-E2000APC LC-LCUPC LCA-LCAPC FC-FCUPC FCA-FCAPC	Available cables 01-Exo-C0 PE 02-Exo-C0 LSZH 03-EXO-CI PE 04-EXO-CI LSZH 24-BURRY DAC 35-FTTA DAC 39-MK-CX 40-MK-DX	Available fiber types: A SMF G.652D B SMF G.655 C SMF G.656 D SMF G.657A1 E SMF G.657A2 F SMF G.657B2 G SMF G.657B3 H MMF OM1 I MMF OM2 J MMF OM2+ K MMF OM3 L MMF om4	Fanout type: 1-fanout 1.8mm 2-fanout 2.8mm	Maximal outputs length in stadard configuration: 200cm, minimal: 10cm; for other outputs length please contact with sales department		

#### 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.