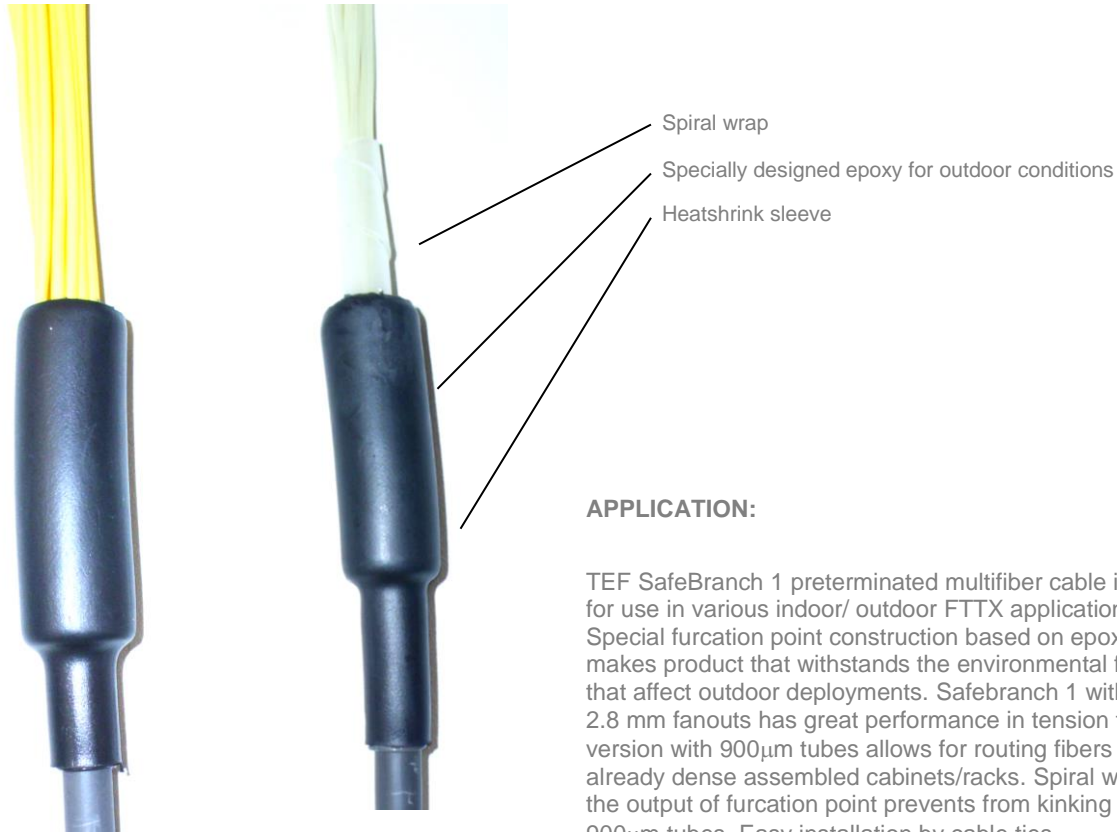


Connectivity solutions

TEF- Preterminated multifiber cable, SafeBranch 1



APPLICATION:

TEF SafeBranch 1 preterminated multifiber cable is ideal for use in various indoor/ outdoor FTTX applications. Special furcation point construction based on epoxy filler makes product that withstands the environmental factors that affect outdoor deployments. Safebranch 1 with 1.8 or 2.8 mm fanouts has great performance in tension test and version with 900µm tubes allows for routing fibers in already dense assembled cabinets/racks. Spiral wrap at the output of furcation point prevents from kinking of 900µm tubes. Easy installation by cable ties. Product is available with SM and MM fibers and with many connector types (SCUPC; FCUPC; LCUPC; SCAPC; E2000UPC; E2000APC; FCAPC; LCAPC)

TEF DESCRIPTION

Furcation point maximum outer diameter[mm]	Ø 15	Ø 18	Ø 22	Ø 24	Ø 27
Furcation point length [mm]	40 - (0.9mm) 55 - (1.8-2.8mm)	55 (0.9mm) 65 (1.8-2.8mm)	65	70	80
Number of fibers in 0.9mm tubes	1-48	49-96*			
Number of fibers in 1.8mm fanouts	1-14	15-18	19-24	25-36	37-48*
Number of fibers in 2.8mm fanouts	1-10	11-16	17-22	23-32	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,	7N (0.9mm) /150N (1.8-2.8mm)
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		-25... +70 [°C]
Transport & Storage		-25... +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 TEF furcation system marked with serial number. Output legs numbered.

PACKAGING

Coil or drum depending on cable length

Type:	TEF-xx	21.07.2014
		REV: 7
		ŁD
Code:	TEF-xx, see ordering information	

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ORDERING INFORMATION

Example:

TEF-24SCA-24SCA-01A-0100-01201-11200

Preterminated multifiber cable EXO CO PE, G.652D fibers with 24 SCAPC connectors on both sides, 100m length, equal length of A side 1.8mm furcation legs -120cm, single cascade on 900µm tubes for B side, maximal output length 120cm, Safebranch 1

TEF	-24SCA	-24SCA	-01A24	-0100	-01201	-11200
	Number and connector type of A 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 length (in meters)	First digit – furcation type of A side; Three following digits - maximal output length of A side Last digit -fanout type	First digit – furcation type of B side; Three following digits - maximal output length of B side Last digit -fanout type
	Available connectors: 2400-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 05-BDC-C0 PE 06-BDC-C0 LSZH 07-BDC-CI PE 08-BDC-CI LSZH 24-BURRY DAC 25-CDI-M 27-CDI 28-AERO DF 03 33-CDAD 35-FTTA DAC 41-MK-LX4 42-MK-LX6	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	Furcation type: 0-equal length of outputs 1-single cascade 2-double cascade	Fanout type: 0-900µm tubes 1-fanout 1.8mm 2-fanout 2.8mm	Maximal outputs length in standard configuration: 200cm, minimal: 50cm; for other outputs length please contact with sales department Single cascade- Furcation leg shorter by 3cm than previous one Double cascade- Pair of furcation legs shorter by 3cm than previous 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.