



FIBRE OPTIC CABLING SOLUTIONS

PRODUCT OVERVIEW

4th Edition

FIBRE OPTIC CABLES AND CONNECTING HARDWARE

FO data cables

FO Indoor cables



Simplex / I-V(ZN)H - 2.0 mm / 2.8 mm - 1 fibre



Zipcord / I-V(ZN)H - 1.8 mm / 2.0 mm / 2.8 mm - 2 fibres



Duplex / I-V(ZN)HH - 2.0 mm / 2.8 mm - 2 fibres



FTTH STB / I-V(ZN)H - 2.8 mm - 4 fibres



FTTH / I-M(ZN)H - 2.2 mm - 4 fibres



ZGGFR / J-B(ZN)BH - 5,9 mm - up to 12 fibres



szGGFR / J-B(ZN)BH - 5,9 - 15,8 mm - up to 144 fibres

FO Outdoor cables



wbKT HP / A-DQ(ZN)B2Y - 12 up to 144 fibres



ZGGT HP / A-DQ(ZN)B2Y HighP - 4 up to 24 fibres



wbGGT HP / A-DQ(ZN)B2Y - 12 up to 288 fibres



wbGGT HP / A-DQ(ZN)B2Y - 180 up to 576 fibres



ZwbKWT BL / A-DQ(ZN)(SR)2Y - 4 up to 24 fibres



wbKWT HP / A-DQ(ZN)(SR)2Y - 24 up to 144 fibres



ZKT Micro / A-DQ(ZN)2Y - 4 up to 24 fibres



wbKT Micro / A-DQ(ZN)2Y - 12 up to 144 fibres



ZT S-Micro / A-D2Y - 4 up to 24 fibres



wbKT S-Micro / A-DQ(ZN)2Y - 24 up to 288 fibres

FO Universal cables



U-DQ(ZN)BH - 4 up to 24 fibres



U-DQ(ZN)BH - 24 up to 144 fibres



ZGGFR Easy Blow / U-DQ(ZN)BH - 4 up to 24 fibres



wbGGFR Easy Blow / U-DQ(ZN)BH - 12 up to 288 fibres



ZGGFR Safety / U-DQ(ZN)BH - 4 up to 12 fibres



wbGGFR Safety / U-DQ(ZN)BH - 24 up to 60 fibres

FO connecting hardware



Fibre optic breakout and splice boxes



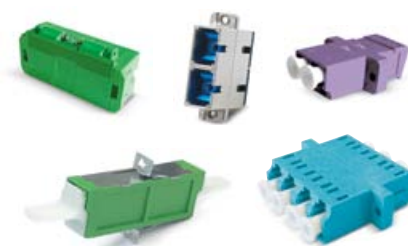
Fibre optic subracks



Fibre optic faceplates



Fibre optic distribution boxes, wall mounted



Fibre optic adapters / couplers

Terminated FO connectors		FO patch cables		FO trunks / pigtails	
 LC IEC 61754-20		 SCD ...		 Trunk (multiple) cable termination with crush-resistant hose protection	
 LC-Duplex for round cables IEC 61754-20		 ST ...		 Trunk termination with textile hose protection	
 SC/APC IEC 61754-4		 LCD ...		 Breakout assembly	
 LSH/APC IEC 61754-7		 LSH ...		 Pigtails	
 LX.5/APC IEC 61754-23		 FC/PC ...			
 LF3 IEC 61754-28		 SC/APC ...			
 MU IEC 61754-6					
 FC/APC IEC 61754-13					
 LSA (DIN) IEC 61754-3					
 MPO (MTP®) IEC 61754-7					

Connector	IL [dB] typical	IL [dB] maximal	RL [dB] typical	RL [dB] minimal	Grade IEC 61755
MM	0,15	0,3	30	35	better than Bm2m
SM	0,15	0,3	50	55	better than B2
SM/APC	0,15	0,3	65	70	better than B1
MT/RJ	0,5	0,75	20	25	better than Cm2m
MTP/MPO MM	0,1	0,35	20	25	better than Bm2m
MTP/MPO SM	0,1	0,35	60	65	better than C1

All connectors are tested with our simplex, duplex and Mini-Zipcord cables as well as with our pigtail fibres.

Subject to technical modification.

SELECTION GUIDE FOR OPTICAL FIBRES

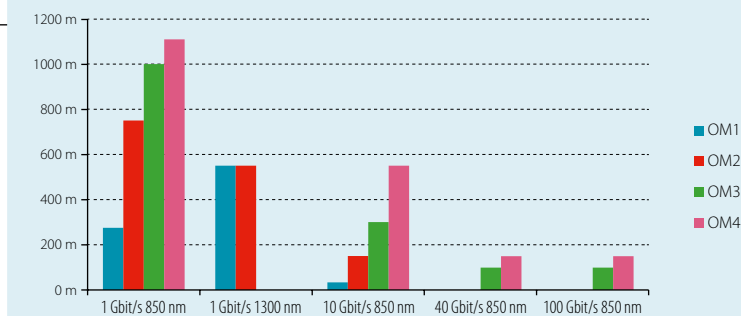
Selection criteria

The Datwyler product range consists of different types of optical fibre.

The following overview lists some of the more important criteria which will help you select for the fibre types that meet your specific requirements.

Fibre type	Standard	maxim 850 nm	maxim 1300 / 1383 n	maxim 1550 n	maxim 1625 n	max. P	LED 850	VCSEL	Laser	CWDM	maxim 1000Base-SX	maxim 10GBase-SR	40/100GBase-SR4	Fibre-t (typical)	Campus Data C	WAN /	City /	Fibre-t
Singlemode fibres E9/125																		
SMF E9/125 bend optimized (BLO)	G.652.D G.657.A1		0.34	0.34	0.21	0.23	0.1		●	●		10 km			●	●	●	●
Multimode fibres G50/125*																		
MMF G50/125	OM2	2.70	0.70					●	●		750 m	150 m		●	●			
MMF G50/125	OM3	2.70	0.70						●		1000 m	300 m	100 m		●			
MMF G50/125	OM4	2.50	0.70						●		1100 m	550 m	150 m		●			
Multimode fibres G50/125																		
MMF G62,5/125	OM1	3.00	0.70					●	●		275 m	33 m		●				

Link lengths



* all G50/125 µm fibres are bend optimized

WE WILL BE HAPPY TO ADVISE YOU!

SWITZERLAND

Dätwyler Cabling Solutions AG
Gotthardstrasse 31
6460 Altdorf
T +41 41 875-1268
F +41 41 875-1986
info.cabling.ch@datwyler.com
www.cabling.datwyler.com

AUSTRIA

**Dätwyler Cables GmbH
Office Austria**
Liebermannstraße A02 403
2345 Brunn am Gebirge
T +43 1 8101641-0
F +43 1 8101641-35
info.cabling.at@datwyler.com
www.cabling.datwyler.com

GERMANY

Dätwyler Cables GmbH
Auf der Roos 4-12
65795 Hattersheim
T +49 6190 8880-0
F +49 6190 8880-80
info.cabling.de@datwyler.com
www.cabling.datwyler.com

Dätwyler Cables GmbH

Lilienthalstraße 17
85399 Hallbergmoos
T +49 811 998633-0
F +49 811 998633-30
info.cabling.de@datwyler.com
www.cabling.datwyler.com

UNITED ARAB EMIRATES

Datwyler Middle East FZE
Jabel Ali Free Zone
LB 15, Second Floor, Room #10 & 11
P.O. Box 263480
Dubai
T +971 4 4228129
F +971 4 4228096
info.cabling.ae@datwyler.com
www.cabling.datwyler.com

Datwyler Cabling Solutions LLC

Unit 1004 & 1005, 10th Floor, IB Tower
Business Bay
Dubai
T +971 4 4228129
F +971 4 4228096
info.cabling.ae@datwyler.com
www.cabling.datwyler.com

CHINA

**Datwyler (Suzhou)
Cabling Solutions Co., Ltd.**
No. 218, East Beijing Road
Taicang Economic Development Zone
Jiangsu Province, 215413
T +86 512 3306-8066
F +86 512 3306-8049
info.cabling.cn@datwyler.com
www.cabling.datwyler.com

SINGAPORE

**Datwyler (Thelma)
Cables+Systems Pte Ltd**
30 Toh Guan Road #01-01A
608840 Singapore
T +65 68631166
F +65 68978885
info.cabling.sg@datwyler.com
www.cabling.datwyler.com