

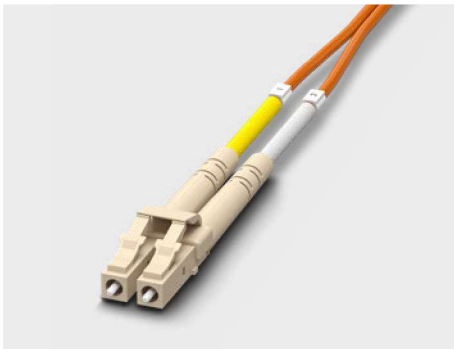
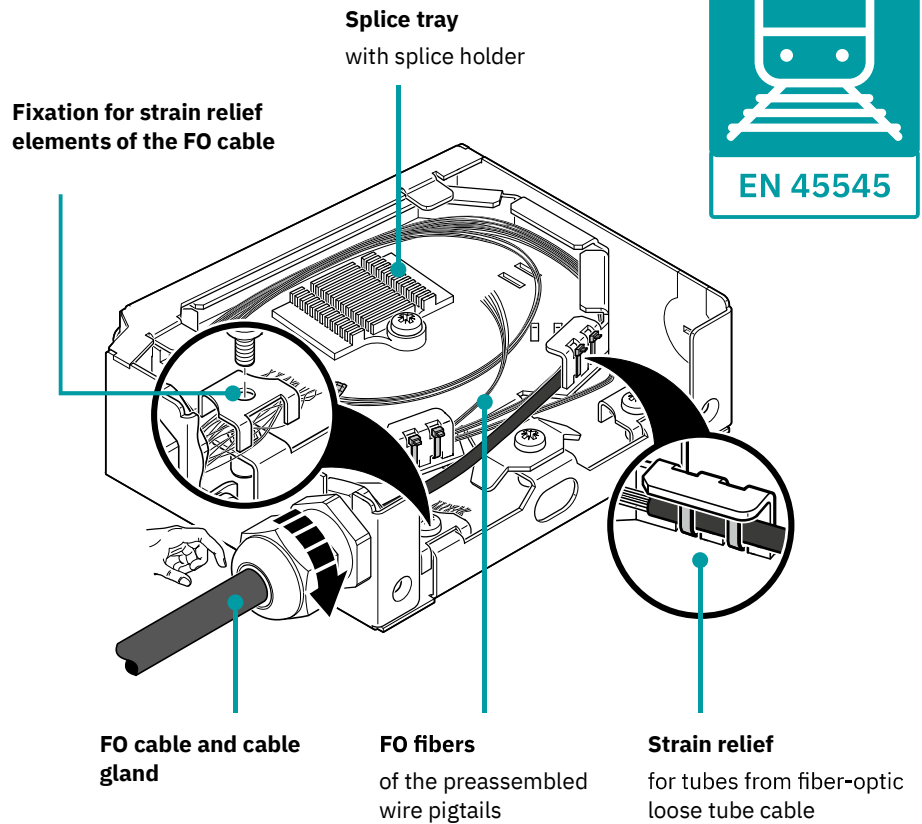
FO connection technology in the field

Fiber optic cables are usually laid underground over many kilometers. In order to effectively protect the sensitive fiber optics from climatic influences, they must be very mechanically resistant.

The fiber optic splice/distributor box for DIN rail mounting has a metal housing and solid cable glands. This provides the necessary mechanical strength to accommodate the fiber-optic cable, secure cable elements, and guide them securely. The DIN rail adapter can be mounted from the rear on the base of the housing. This allows different orientations of the box.

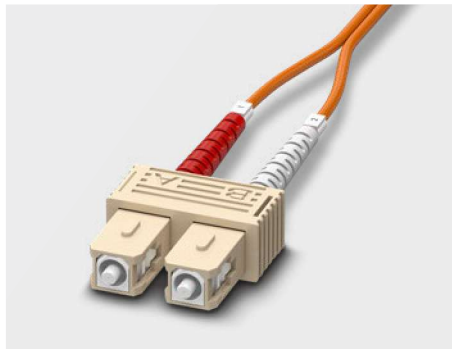
In the splice box variant, fusion splicing technology is used to connect the FO fibers of the incoming cable precisely to the fibers of the splice box. These fibers inside the housing are already assembled with the FO connectors (pigtails) and plugged onto the FO couplings.

The distributor box variant is equipped without pigtails. It is used to accommodate fiber-optic cables that are already assembled with connectors or are assembled with connectors in the field. These connectors are then simply plugged onto the fiber-optic couplings inside the box.



Connector type LC

Lucent connector
Small form factor (SFF) connector.



Connector type SC

Subscriber connector
Connector with push-pull technology.



Connector type LSH (E-2000™)

Connector with laser protection flap.

Product lists – splice boxes

FO splice boxes, FDX-20 series, IP20						Compliant with EN 45545-2 ¹⁾
						
	DIN rail mounting					
	6x LC duplex	12x LC duplex	6x SC duplex	6x ST duplex 6x SC duplex	6x ST duplex 6x ST duplex	6x LSH duplex
Without pigtails, multimode, polymer couplings	1019710	1019705	1019686			
Without pigtails, multimode, metal couplings	1343385		1343387	1343388	1343383	
Without pigtails, singlemode, polymer couplings	1343386	1565846	1084827			
Without pigtails, singlemode, metal couplings					1343384	
OM1 (G62.5/125 µm)	1343377		1343380	1019684		1335178
OM2 (G50/125 µm)	1019713	1019709	1019700	1019683		
OM3 (G50/125 µm)	1343378		1343381			
OM4 (G50/125 µm)	1019712	1019708	1019698			
OS2 PC (E9/125 µm)	1019711	1019707	1019692	1019682		
OS2 APC (E9/125 µm)	1083665		1343382			1019680

¹⁾ See “Manufacturer’s declaration for railway application” of the respective item in the e-shop under Downloads/Manufacturer declaration

FO splice boxes, FDX 20 series, 19" mounting						
						
	12x LC duplex	24x LC duplex	12x SC duplex	24x SC duplex	12x ST duplex	24x ST duplex
OM1 (G62.5/125 µm)					1145399	1145389
OM2 (G50/125 µm)	1145416	1145375	1145408	1145407	1145398	1145397
OM4 (G50/125 µm)	1145415	1145413	1145406	1145403		
OS2 (PC) (E9/125 µm)	1145411	1145409	1143631	1145400	1145395	1145392

FO connectors and patch cables, cables by the meter

FO connectors – GOF						
						
Type	LC duplex			SC duplex		
Description	MM	SM PC	SM APC	MM	SM PC	SM APC
Item no.	1089521	1089520	1089519	1089518	1089517	1089516
Tool set	1089515					

FO patch cables (length: 1.0 m)								
								
Description	OM1			OM2			OM3	
Type	LC	SC	ST	LC	SC	ST	LC	SC
LC	1146497	1146498	1146499	1115633	1115607	1115588	1185473	1185480
SC	1146498	1146504		1115607	1115536	1115574	1185480	1185485
ST	1146499		1146501	1115588	1115574	1115560		
								
Description	OM4		OS2 UPC			OS2 APC		
Type	LC	SC	LC	SC	ST	LC	SC	
LC	1115625	1115601	1115636	1115618	1115596	1115630	1115613	
SC	1115601	1115424	1115618	1115550	1115582	1115613	1115544	
ST			1115596	1115582	1115565			

FO cables by the meter										
										
Type	Loose tube									
Fiber category	OM1	OM2	OM3	OM4	OS2	OM1	OM2	OM3	OM4	OS2
Number of fibers	12					24				
Item no.	1286223	1286222	1286221	1286220	1286219	1286217	1286215	1286214	1286211	1286210
										
Type	Full breakout			Mini breakout		Zip cord				
Fiber category	OM2			OM4		OM1	OM2	OM3	OM4	
Number of fibers	2	2	4	12	24	2				
Item no.	1406429	1406430	1406431	1286209	1286208	1411566	1411561	1411563	1411564	