

Singlemode patchcords

Simplex singlemode patchcords and simplex coiled cable



10445025
OJS-20,0-SC/APC



10445004
OJS-2,0-SC/APC

- Very low through loss
- Very high return loss

- Highest reliability, stability and durability
- Meets the Telcordia GR-326 CORE specifications

Simplex patch cords with SC/APC connectors

Parameter	OJS-1,5-SC/APC	OJS-2,0-SC/APC	OJS-3,0-SC/APC	OJS-5,0-SC/APC	OJS-10,0-SC/APC	OJS-15,0-SC/APC	OJS-20,0-SC/APC	OJS-30,0-SC/APC
Through loss [dB]	< 0,15	< 0,15	< 0,15	< 0,15	< 0,15	< 0,15	< 0,15	< 0,15
Return loss [dB]	≥ 75	≥ 75	≥ 75	≥ 75	≥ 75	≥ 75	≥ 75	≥ 75
Radius of curvature [mm]	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12
Apex offset [µm]	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Fiber spherical height [µm]	± 50	± 50	± 50	± 50	± 50	± 50	± 50	± 50
Repeatability of IL [dB]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Durability [dB]	≤ 0,2 typ. change, 1.000 matings							
Operating temperature range [°C]	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60
Storage temperature range [°C]	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70
Tensile strength [kg]	6,8 (GR-326-CORE)							
Fiber type, cable diameter	Corning SMF-28e XB LSZH acc. G657A, 2,4 mm fiber							
Cable length [m]	1,5 ± 0,1	2,0 ± 0,1	3,0 ± 0,1	5,0 ± 0,1	10,0 ± 0,2	15,0 ± 0,2	20,0 ± 0,2	30,0 ± 0,3
Order No.	10445001	10445003	10445006	10445011	10445016	10445020	10445025	10445030

Simplex patch cords with SC/APC to LC/APC connectors

Parameter	OJS-1,5-SC/APC-LC/APC	OJS-3,0-SC/APC-LC/APC	OJS-5,0-SC/APC-LC/APC	OJS-10,0-SC/APC-LC/APC
Through loss [dB]	< 0,2	< 0,2	< 0,2	< 0,2
Return loss [dB]	≥ 63	≥ 63	≥ 63	≥ 63
Radius of curvature [mm]	5 – 12	5 – 12	5 – 12	5 – 12
Apex offset [µm]	< 50	< 50	< 50	< 50
Fiber spherical height [µm]	± 50	± 50	± 50	± 50
Repeatability of IL [dB]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Durability [dB]	≤ 0,2 typ. change, 1.000 matings			
Operating temperature range [°C]	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60
Storage temperature range [°C]	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70
Tensile strength [kg]	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)
Fiber type, cable diameter	Corning SMF-28e XB LSZH acc. G657A, 2,4 mm fiber			
Cable length [m]	1,5 ± 0,1	3,0 ± 0,1	5,0 ± 0,1	10,0 ± 0,2
Order No.	10445815	10445830	10445850	10445910

Simplex coiled cable

OJS-2,0-SC/APC Simplex coiled cable, yellow, 2 m

The benefit of a coiled cable is obvious: It is the bend-insensitive property of the G657 fiber, but with the through loss of a regular patchcord. This spiral cable is perfectly suitable for FTTH applications. Due to unlikely loop formations the propability of kinked fibers is significantly lower compared to standard patchcords.

Order No. 10445004

Simplex and duplex singlemode patchcords



10445710
OJS-10,0-E2000/APC

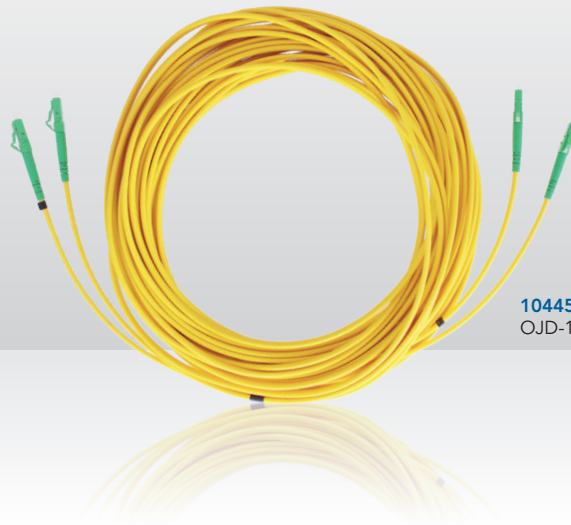
Simplex patch cords with SC/APC to E2000/APC connectors

Parameter	OJS-1,5-SC/APC-E2000/APC	OJS-3,0-SC/APC-E2000/APC	OJS-5,0-SC/APC-E2000/APC	OJS-10,0-SC/APC-E2000/APC
Through loss [dB]	< 0,2	< 0,2	< 0,2	< 0,2
Return loss [dB]	≥ 63	≥ 63	≥ 63	≥ 63
Radius of curvature [mm]	5 – 12	5 – 12	5 – 12	5 – 12
Apex offset [µm]	< 50	< 50	< 50	< 50
Fiber spherical height [µm]	± 50	± 50	± 50	± 50
Repeatability of IL [dB]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Durability [dB]	≤ 0,2 typ. change, 1.000 matings			
Operating temperature range [°C]	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60
Storage temperature range [°C]	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70
Tensile strength [kg]	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)
Fiber type, cable diameter	Corning SMF-28e XB LSZH acc. G657A, 2,4 mm fiber			
Cable length [m]	1,5 ± 0,1	3,0 ± 0,1	5,0 ± 0,1	10,0 ± 0,2
Order No.	10445315	10445330	10445350	10445410

Simplex patch cords with E2000/APC connectors

Parameter	OJS-1,5-E2000/APC	OJS-2,0-E2000/APC	OJS-3,0-E2000/APC	OJS-5,0-E2000/APC	OJS-10,0-E2000/APC
Through loss [dB]	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2
Return loss [dB]	≥ 63	≥ 63	≥ 63	≥ 63	≥ 63
Radius of curvature [mm]	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12
Apex offset [µm]	< 50	< 50	< 50	< 50	< 50
Fiber spherical height [µm]	± 50	± 50	± 50	± 50	± 50
Repeatability of IL [dB]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Durability [dB]	≤ 0,2 typ. change, 1.000 matings				
Operating temperature range [°C]	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60
Storage temperature range [°C]	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70
Tensile strength [kg]	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)
Fiber type, cable diameter	Corning SMF-28e XB LSZH acc. G657A, 3 mm fiber				
Cable length [m]	1,5 ± 0,1	2,0 ± 0,1	3,0 ± 0,1	5,0 ± 0,1	10,0 ± 0,2
Order No.	10445615	10445620	10445630	10445650	10445710

Simplex and duplex singlemode patchcords



10445070
OJD-15,0-LC/APC

Simplex patch cords with LC/APC connectors

Parameter	OJS-1,5-LC/APC	OJS-3,0-LC/APC	OJS-5,0-LC/APC	OJS-10,0-LC/APC
Through loss [dB]	< 0,3	< 0,3	< 0,3	< 0,3
Return loss [dB]	≥ 65	≥ 65	≥ 65	≥ 65
Radius of curvature [mm]	5 – 12	5 – 12	5 – 12	5 – 12
Apex offset [µm]	< 50	< 50	< 50	< 50
Fiber spherical height [µm]	± 50	± 50	± 50	± 50
Repeatability of IL [dB]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Durability [dB]	≤ 0,2 typ. change, 1.000 matings			
Operating temperature range [°C]	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60
Storage temperature range [°C]	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70
Tensile strength [kg]	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)
Fiber type, cable diameter	Corning SMF-28e XB LSZH acc. G657A, 2 mm fiber			
Cable length [m]	1,5 ± 0,1	3,0 ± 0,2	5,0 ± 0,2	10,0 ± 0,3
Order No.	10445816	10445833	10445851	10445911

Duplex patch cords with LC/APC connectors

Parameter	OJD-1,5-LC/APC	OJD-3,0-LC/APC	OJD-5,0-LC/APC	OJD-10,0-LC/APC	OJD-15,0-LC/APC	OJD-20,0-LC/APC	OJD-30,0-LC/APC
Through loss [dB]	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2
Return loss [dB]	≥ 63	≥ 63	≥ 63	≥ 63	≥ 63	≥ 63	≥ 63
Radius of curvature [mm]	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12	5 – 12
Apex offset [µm]	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Fiber spherical height [µm]	± 50	± 50	± 50	± 50	± 50	± 50	± 50
Repeatability of IL [dB]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Durability [dB]	≤ 0,2 typ. change, 1.000 matings						
Operating temperature range [°C]	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60	-20 ... +60
Storage temperature range [°C]	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70	-40 ... +70
Tensile strength [kg]	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)	6,8 (GR-326-CORE)
Fiber type, cable diameter	Corning SMF-28e XB LSZH acc. G657A, 2 mm fiber				Corning SMF-28e XB LSZH acc. G657A, 3 mm fiber		
Cable length [m]	1,5 ± 0,1	3,0 ± 0,1	5,0 ± 0,1	10,0 ± 0,2	15,0 ± 0,2	20,0 ± 0,2	30,0 ± 0,3
Order No.	10445051	10445056	10445061	10445066	10445070	10445075	10445080