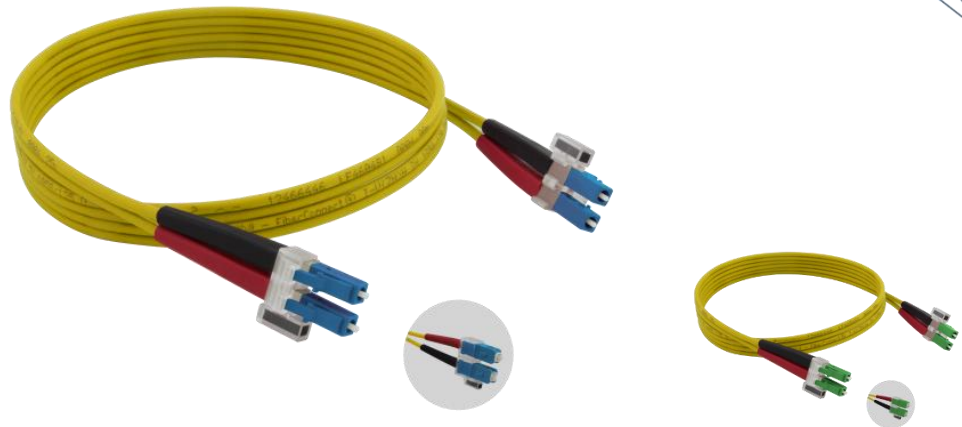


AIM - Automated Infrastructure Monitoring
[AIM - Automated Infrastructure Monitoring]

RFID Patchkabel SC/SC OS2 [RFID patch cord SC/SC OS2]

FUTURE-PATCH® - V2



FUTURE-PATCH® LWL RFID Patchkabel - Generation 2 - SC OS2 sind geeignet für Multimodeverkabelungen z.B. im Rechenzentrum. Durch die Fertigung gemäß Standard IEC 61753-122-2 ist eine hohe Qualität der Patchkabel gewährleistet. Die Qualitätssicherung beinhaltet u.a. die optische Überprüfung der Steckerstirnseiten, um einen vollständig sauberen und kratzfreien Auslieferungszustand zu gewährleisten. Die Patchkabel sind eine Komponente im AIM System und haben außerdem folgende Eigenschaften:

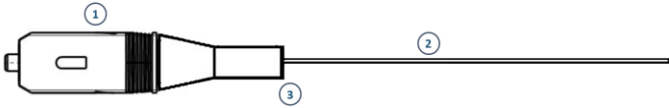
- Eindeutige Kabel-ID durch RFID Transponder
- Kabeltyp: Duplex
- Kabelversion: Figure 8
- Qualitätsstufen: Höchster Standard (HS)

[FUTURE-PATCH® FO RFID Patch Cords - Generation 2 - SC OS2 are applicable with multimode networks in e.g. data centers. Because of assembly according to IEC 61753-122-2 a high quality of patch cords is assured. The quality assurance includes among other things the optical testing of the connectors end face and secures a fully clean delivery without any scratches. The patch cords are one component of the AIM system and have following characteristics:

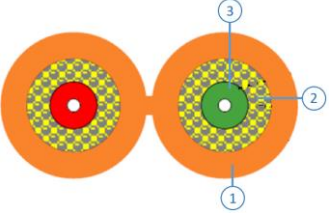
- *unique cable ID via RFID transponder*
- *cable type: duplex*
- *cable version: figure 8*
- *quality grades: high standard (HS)*

www.tkm-gmbh.de

Technische Daten [technical data]

Eigenschaften RFID [characteristics RFID]						
Features [features]		Ausgestattet mit RFID Transponder für eindeutige Kabel-ID mit optional gespeicherten Kabeldaten wie Länge, Fasertyp usw. [equipped with RFID transponder for unique cable ID with optional feature: cable related data e.g. length, type of fibre etc.]				
Temperaturbereich: Betrieb [temperature range: operation]		0°C // +40°C				
Temperaturbereich: Lager [temperature range: storage]		-20°C // +85°C				
Eigenschaften SC DX Stecker [characteristics SC DX connector]						
Qualitätsgrad [quality grade]		HS - High Standard		GB - Grade B		GC - Grade C
Hersteller [manufacturer]		Huber+Suhner		--		--
Version DX-Clip [version DX clip]		DX-Clip mit RFID Transponder [DX clip with RFID transponder]		--		--
Gemäß Norm [specified acc. to]		IEC 61754-20		--		--
Farben [colour]		PC	APC8	PC	APC8	PC
Steckerkörper [connector body]		Blau [Blue]	Grün [Green]	--	--	--
Knickschutz [boot]		schwarz/rot [black/red]	schwarz/rot [black/red]	--	--	--
Clip [clip]		Transparent [transparent]	Transparent [transparent]	--	--	--
Material Steckergehäuse [material connector body]		Plastik [plastic]		--		--
Material Ferrule [material ferrule]		Keramik [ceramic]		--		--
Mechanische Eigenschaften [mechanical characteristics]						
Steckzyklen [min] [mating cycles [min]]		1000		--		--
Ausziehenkraft [pull out force]		100N		--		--
Optische Eigenschaften [optical characteristics]						
Dämpfung [attenuation]		PC	APC8	PC	APC8	PC
IL @97% [db]: // RL [db]:		≤ 0,25 ≥ 45	≤ 0,25 ≥ 60	-- --	-- --	-- --
IL (typical) [db]: // RL (typical) [db]:		≤ 0,12 ≥ 55	≤ 0,12 ≥ 70	-- --	-- --	-- --
IEC 61300-3-34 / IEC 61300-3-6		GRADE B/2	GRADE B/1			--
Sonstige Daten [other data]						
RoHS Konformität [RoHS conformity]		Ja [yes]		--		--
REACH Konformität [REACH conformity]		Ja [yes]		--		--
						
1 Steckerkörper [connector body]		2 Ferrule [Ferrule]		3 Knickschutz [boot]		

*exemplarisch SC Stecker
[exemplarily SC connector]

Eigenschaften Kabel [characteristics cable]						
Qualitätsgrad [quality grade]	HS - High Standard		GB - Grade B		GC - Grade C	
Kabelfarbe [colour cable]	Gelb - ähnlich RAL 1012 [yellow - similar to RAL 1012]		--		--	
Kabeltyp: DX [type of cable: DX]	SX	DX	SX	DX	SX	DX
Kabeldurchmesser [cable diameter]	--	2x 2,8mm	--	--	--	--
Figure Typ [figure type]	--	Figure 8	--	--	--	--
Gewicht [weight]	--	15,8kg/km	--	--	--	--
Material Außenmantel [material outer jacket]	LSZH		--		--	
Wandstärke [wall thickness]	0,50mm		--		--	
Material Zugentlastungselement [material strain relief element]	Aramid		--		--	
Mechanische Eigenschaften [mechanical characteristics]						
Biegeradius verlegt [bending radius installed]	30mm		--		--	
Biegeradius bei Verlegung [bending radius at installation]	60mm		--		--	
Zugkraft [max.] [tensile load [max.]]	600N		--		--	
Querdrukfestigkeit dauernd [max.] [crush resistance permanent [max.]]	600N/dm		--		--	
Thermische Eigenschaften [thermal characteristics]						
Transport und Lagerung [transport and storage]	-25°C // +70°C		--		--	
Betrieb [operation]	-10°C // +70°C		--		--	
Brandverhalten [fire behaviour]						
Flammwidrigkeit [flame retardant]	nach IEC 60332-1-2 // IEC 60332-3-22 Cat.A [acc. to IEC 60332-1-2 // IEC 60332-3-22 Cat.A]		--		--	
Rauchdichte [smoke density]	nach IEC 61034-2 [acc. to IEC 61034]		--		--	
Halogenfreiheit [zero halogen]	nach IEC 60754-2 [acc. to IEC 60754-2]		--		--	
			1	Außenmantel [outer jacket]		
			2	Zugentlastung [strain relief]		
			3	Ader [fibre]		
*exemplarisch Duplexkabel [exemplarily duplex cable]						

Lieferform
[type of delivery]

Verpackungsart
[type of packaging] Einzelverpackt in Plastiktüte
[single packaging in plastic bag]



*Bild exemplarisch
[picture exemplarily]

Messprotokoll
[measurement protocol] Inklusive - beiliegend in Tüte
[inclusive - enclosed in bag]

Test report

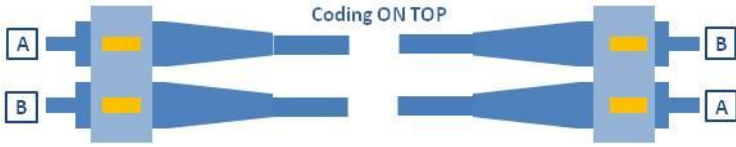
Date: 2020-03-12
Com. reference: 1700963-020-HS-OM4
Description: FO-Patchcord: LC-LC 2G50/125 OM4, lenght: 2,0m
Wavelength: 1300nm

Type of connector	Brand	db[1]	db[2]
LC-PC	Huber & Suhner	-0,17	-0,19
LC-PC	Huber & Suhner	-0,15	-0,18

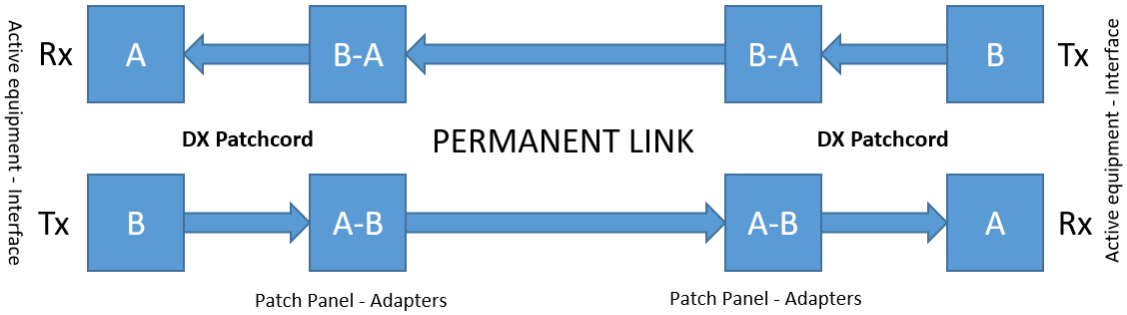
100% inspection of optical surface with 400x magnification
 Important: Clean surface of connector before patching

*exemplarisch Messprotokoll (Englisch, SC, OS2)
 [exemplarily measurement protocol (English, SC, OS2)]

Polarität
[polarity] a-b ; b-a (rx-tx ; tx-rx)





*schematische Darstellung
[schematic diagram]



*schematische Darstellung
[schematic diagram]

Bestellangaben [ordering information]

Artikelnummer [part number]	Artikelbeschreibung [part description]
FUTURE-PATCH - V2 - LWL Patchkabel - Duplex - SC-SC - OS2-PC - Clip: Duplex [FUTURE-PATCH - V2 - FO patchcords - duplex - SC-SC - OS2-PC - clip: duplex]	
51721801FP	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - PC - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 1,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - PC - 2E9/125 OS2 - incl. RFID transponder - length: 1.0m]
51721802FP	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - PC - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 2,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - PC - 2E9/125 OS2 - incl. RFID transponder - length: 2.0m]
51721803FP	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - PC - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 3,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - PC - 2E9/125 OS2 - incl. RFID transponder - length: 3.0m]
51721804FP	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - PC - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 4,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - PC - 2E9/125 OS2 - incl. RFID transponder - length: 4.0m]
51721805FP	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - PC - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 5,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - PC - 2E9/125 OS2 - incl. RFID transponder - length: 5.0m]
51721807FP	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - PC - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 7,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - PC - 2E9/125 OS2 - incl. RFID transponder - length: 7.0m]
51721810FP	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - PC - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 10,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - PC - 2E9/125 OS2 - incl. RFID transponder - length: 10.0m]
FUTURE-PATCH - V2 - LWL Patchkabel - Duplex - SC-SC - OS2-APC8 - Clip: Duplex [FUTURE-PATCH - V2 - FO patchcords - duplex - SC-SC - OS2-APC8 - clip: duplex]	
51700910FP-010	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - APC8 - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 1,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - APC8 - 2E9/125 OS2 - incl. RFID transponder - length: 1.0m]
51700910FP-020	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - APC8 - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 2,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - APC8 - 2E9/125 OS2 - incl. RFID transponder - length: 2.0m]
51700910FP-030	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - APC8 - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 3,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - APC8 - 2E9/125 OS2 - incl. RFID transponder - length: 3.0m]
51700910FP-040	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - APC8 - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 4,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - APC8 - 2E9/125 OS2 - incl. RFID transponder - length: 4.0m]
51700910FP-050	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - APC8 - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 5,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - APC8 - 2E9/125 OS2 - incl. RFID transponder - length: 5.0m]
51700910FP-070	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - APC8 - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 7,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - APC8 - 2E9/125 OS2 - incl. RFID transponder - length: 7.0m]
51700910FP-100	FUTURE-PATCH - V2 - LWL-Patchkabel: SCdx - SCdx - APC8 - 2E9/125 OS2 - inkl. RFID Transponder - Länge: 10,0m [FUTURE-PATCH - V2 - FO patch cord: SCdx - SCdx - APC8 - 2E9/125 OS2 - incl. RFID transponder - length: 10.0m]
	Standardlängen für FUTURE-PATCH® Patchkabel sind [m]: 1,0 - 2,0 - 3,0 - 4,0 - 5,0 - 7,0 - 10,0 [standard length for FUTURE-PATCH® Patch Cords are [m]: 1,0 - 2,0 - 3,0 - 4,0 - 5,0 - 7,0 - 10,0]
	xx – Längenangabe in Meter [xx - length information in meter] 01 ≙ 1,00 Meter