



# HUBER+SUHNER® QUICK ASSEMBLY – QXA FIELD TERMINATION SYSTEM



# Quick Assembly – QXA – the field

The QXA process offers you the quickest way to provide a reliable fiber optic field termination while keeping maximum mobility and flexibility.

## Spliceless termination

for long term reliable performance

- proven epoxy bonding fiber fixation through patented epoxy powder
- no fiber interruptions, no index matching jelly
- Insertion loss < 0.3 dB typically
- high mechanical and environmental durability

## Quick installation

even in unfriendly work conditions

- 90 seconds total termination time
- allows termination on a ladder, no need for support
- reliable process even in poor light conditions

## Singlemode angle polish – APC

for high return loss

Available versions are

- SC Multimode, Singlemode PC and APC
- ST Multimode, Singlemode PC

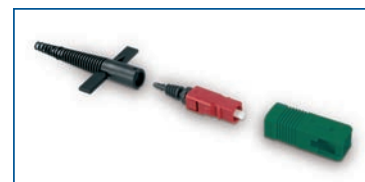
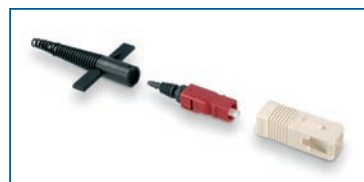
## Multifunction tool

for simple and stable process

- comprehensible and guided process steps
- internal power supply
- eliminates set-up time
- provides short curing time in protected location

## Enhanced connector design

- strain relief without use of crimping tool
- patented mechanical 900  $\mu$ m buffer fixation avoiding misfunctions due to excessive glue insertion



# termination revolution



## Lightweight tool box

- containing all necessary equipment and consumables
- belt for easy carrying and high mobility
- space for spare parts, consumables and instruction manual



## Interchangeable connector head

- switch from SC to ST termination within a few seconds
- fixation of the connector during the whole termination process



## LED operational control and display

- easy recognition of the single termination process steps
- process sequence indication



## Integrated replaceable container

- for waste fiber fragments, offering highest installer safety
- for epoxy powder resin, offering quick refill possibility



## Actuation for buffer tube locking mechanism of the connector

- integral part of the multifunction tool



# Technical specifications

QXA connectors	Connector type				
	ST MM	ST SM-PC	SC MM	SC SM-PC	SC SM-APC
Ferrule type	Preradius	Preradius	Preradius	Preradius	Preangle
Fiber type	G50/125 G62.5/125	E9/125	G50/125 G62.5/125	E9/125	E9/125
Attenuation mean value	0.3 dB	0.3 dB	0.3 dB	0.3 dB	0.3 dB
Attenuation 97 percentile	0.5 dB	0.5 dB	0.5 dB	0.5 dB	0.5 dB
Minimum return loss	20 dB	26 dB	20 dB	26 dB	60 dB
Connector interface	IEC 61754-2/TIA 604-2		IEC 61754-4/TIA 604-3		
Attenuation measurement	IEC 61300-3-4				
Ferrule material	Full zirconia				
Environmental category	IEC 61753 category C – Controlled environment				
Wiring applications	EN50173 A – D, ESA/TIA568A				
Maximum optical power	150 mW				
Maximum cable diameter	2.8 mm				
Cable strain relief	70 N				
Service temperature	- 25° C to 70° C, depending on cable service temperature				
Minimum mating durability	1000 cycles				

QXA connectors	ST type	SC type
Simplex connector outline metric dimensions		
Duplex connector outline metric dimensions		

**HUBER+SUHNER is certified according to ISO 9001 and ISO 14001.**

**WAIVER**

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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