

for assembly and control of cables

Description

The tools of the HARTING F.O. tool kit are suitable for the installation of F.O. connectors in site conditions.

Detailed instructions for assembling the different connector-types are included.

Identification	Part No.	Drawing	Dimensions in mm						
Tool kit POF ¹⁾ without optical measuring device	20 99 000 3016	 Height : 170 mm Width : 470 mm Depth : 360 mm Tool kit for F.O. connector assembly to all POF¹⁾ cables, without optical measuring instruments.							
Tool kit POF ¹⁾ with optical measuring device	20 99 000 3013	 Height : 170 mm Width : 470 mm Depth : 360 mm Tool kit for F.O. connector assembly and control of the F.O. transmission links for 1 mm polymer-optical fibres (POF¹⁾). When applying these tools, F.O. connector types F-SMA, F-ST and other F.O. contacts can be assembled without adhesive and grinding. The measuring instruments are easy to handle and suitable for service and maintenance. The tool kit contains a complete set of tools and test equipment.							
F.O. kit measuring instruments	20 99 000 3014	 Suitable cables are included in the delivery range: <table><tr><td>50/125 µm GI-fibre,</td><td>1 m</td></tr><tr><td>200/230 µm SI-fibre,</td><td>1 m</td></tr><tr><td>1 mm Plastic fibre</td><td>2 m</td></tr></table> When ordering, please give the following information: Measuring instruments: • standard with F-SMA link • on request with F-ST link	50/125 µm GI-fibre,	1 m	200/230 µm SI-fibre,	1 m	1 mm Plastic fibre	2 m	
50/125 µm GI-fibre,	1 m								
200/230 µm SI-fibre,	1 m								
1 mm Plastic fibre	2 m								

¹⁾ POF = Polymer-Optical Fibre

Identification	Part No.	Drawing
Tool kit GI-fibre	20 99 000 3015	 Height : 170 mm Width : 470 mm Depth : 360 mm Tool kit for connector mounting of glass fibres, using adhesive e.g.: GI 50/125 µm.
HARTING Crimping tool for F.O. connector (glass fibre) SW 4.3 and 3.8 mm	20 99 000 1031	 For crimping the strain relief to the connector ... 1031 F.O. cable for glass fibre ... 1033 POF¹⁾ and SERCOS²⁾ cable ø 6.0; ø 3.6
HARTING Crimping tool for F.O. connector (glass fibre) SW 6.5, 4.95 and 3.0 mm	20 99 000 1033	
Crimping tool Han-Brid® for electrical and optical crimp contacts	09 99 000 0362	
Cutting tool 2.2 mm POF ¹⁾	20 99 000 1049	Delivery range: 10 pieces / set
Fibre stripper 1 mm POF ¹⁾	20 99 000 1041 20 99 000 1045 20 99 000 1046	0.3 mm 1 mm 0.18/0.3 mm 
BUCHANAN Crimping tool for crimping installations of F.O. connectors to POF ¹⁾ 1 mm ø	20 99 000 1035	 Adjustable crimping tool setting: FOC R 15 ø 1.45 mm POF¹⁾ DIN 41 626 ø 1.8 mm POF¹⁾ Ferrule ø 1.8 mm POF¹⁾ F-SMA, -ST ø 2.0 mm
Positioning device POF ¹⁾ -R 15, Han® E male	20 99 000 0036	
POF ¹⁾ -F-SMA/ST/DIN Ferrule Han® E female	20 99 000 0037 20 99 000 0038	
Plug gauge Ø 1.45 mm Ø 1.8 mm Ø 2.0 mm	20 99 001 1032 20 99 002 1032 20 99 003 1032	This tool is suitable only for F.O. contacts. Crimping tool for electrical contacts see catalogue "Heavy Duty Connectors Han®" Suitable plug gauges and positioning devices to be ordered separately.

¹⁾ POF = Polymer Optische Faser

²⁾ SERCOS = **SE**riell **R**ealtime **CO**munication **S**ystem

Identification	Part No.	Drawing	Dimensions in mm
Polishing tool for F.O. connectors: F-SMA	20 99 000 1091		
DIN 41 626	20 99 000 1092		
POF ¹⁾ cable ø 2.2	20 99 000 1093		
F-TNC	20 99 000 1094		
F-ST	20 99 000 1095		
Ferrule	20 99 000 1096		
Polishing kit Versatile Link	20 80 001 9914	Delivery range: Duplex polishing tool 2 x polish paper	
Epoxy adhesive glass fibre	20 80 001 9902	2 ml EPO-TEK 360 with hardener (10:1), 4g foil pack	
Polishing paper for POF ¹⁾ -grain size 1000	20 80 001 9911	Delivery range: Each part number ordered comprises 5 pieces	
for GI 9µ-grain size	20 80 001 9912		
for GI 1µ-grain size	20 80 001 9913		

¹⁾ POF = Polymer-Optical Fibre