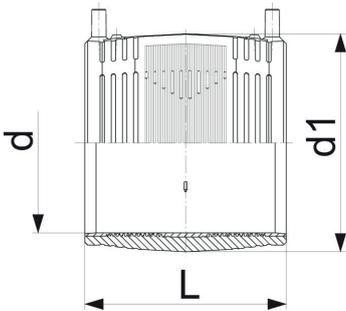


# ELGEF Plus Electrofusion Couplers PE100 RT (red)

# Datasheet



## ELGEF Plus Electrofusion Couplers SDR11 PE100 RT (red)

<b>Maximum operating pressure PN:</b>	Application pressure less
<b>Developed and tested according to:</b>	ISO15494
<b>Application:</b>	Buried conduit piping system with permanent operating temperature of 70°C (50 years)
<b>Melt mass-flow rate MFR:</b>	EN1555 / EN 12201 0,2 ... 1,3
<b>Used raw materials :</b>	d75 – d315: Hostalen 4731B (H18) d355 – d450: Sabic P4200RT
<b>Color:</b>	Red
<b>Electrical connection:</b>	Connector Pin 4 mm acc. to EN1555-3
<b>Welding voltage:</b>	40 Volt (d250 and d280: 44 Volt)

Electrical resistance Nominal:		Welding time 20°C Nominal:	
d75	1,68 Ω	d75	100 s
d95	1,34 Ω	d95	150 s
d110	1,19 Ω	d110	200 s
d125	0,96 Ω	d125	315 s
d140	0,84 Ω	d140	270 s
d160	0,77 Ω	d160	375 s
d180	0,78 Ω	d180	440 s
d200	0,69 Ω	d200	450 s
d225	0,68 Ω	d225	500 s
d250	0,80 Ω	d250	545 s
d280	0,84 Ω	d280	790 s
d315	0,67 Ω	d315	900 s
d355	0,64 Ω	d355	1620 s
d400	0,64 Ω	d400	2100 s
d450	0,57 Ω	d450	2400 s

d [mm]	SDR	Code	WEIGHT [kg]	d1 [mm]	L [mm]	SDR pipe
75	11	753 911 112	0,28	96	110	9-17,6
90	11	753 911 113	0,40	113	125	9-17,6
110	11	753 911 114	0,69	138	143	9-17,6
125	11	753 911 115	0,71	154	156	9-17,6
140	11	753 911 116	0,94	172	166	9-17,6
160	11	753 911 117	1,36	196	180	9-17,6
180	11	753 911 118	1,74	219	194	9-17,6
200	11	753 911 119	1,86	244	208	9-17,6
225	11	753 911 120	3,32	273	224	9-17,6
250	11	753 911 121	4,67	304	247	9-17,6
280	11	753 911 122	7,50	340	252	9-17,6
315	11	753 911 123	8,14	382	268	9-17,6
355	11	753 911 124	13,09	438	290	9-17
400	11	753 911 125	18,32	493	294	9-17
450	11	753 911 126	24,70	554	326	9-17

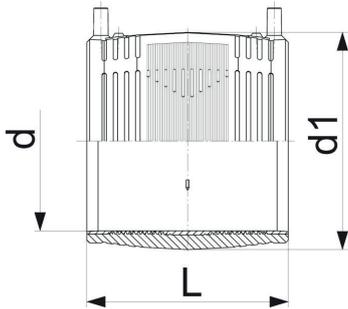
The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

### Your Contact

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 Telefon 07161 / 302-0 | info.de.ps@georgfischer.com | www.gfps.com/de | Lay\_VS\_ELGEF\_rot\_Datenblatt\_EN (05.24)

# ELGEF Plus Electrofusion Couplers PE100 RT (red)

# Datasheet



## ELGEF Plus Electrofusion Couplers SDR17 PE100 RT (red)

<b>Maximum operating pressure PN:</b>	Application pressure less
<b>Developed and tested according to:</b>	ISO15494
<b>Application:</b>	Buried conduit piping system with permanent operating temperature of 70°C (50 years)
<b>Melt mass-flow rate MFR:</b>	EN1555 / EN 12201 0,2 ... 1,3
<b>Used raw materials :</b>	d160 – d315: Hostalen 4731B (H18) d355 – d450: Sabic P4200RT
<b>Color:</b>	Red
<b>Electrical connection:</b>	Connector Pin 4 mm acc. to EN1555-3
<b>Welding voltage:</b>	40 Volt (d250 and d280: 44 Volt)
<b>Electrical resistance Nominal:</b>	<b>Welding time 20°C Nominal:</b>
d160 0,77 Ω	d160 340 s
d180 0,78 Ω	d180 440 s
d200 0,69 Ω	d200 450 s
d225 0,68 Ω	d225 500 s
d250 0,71 Ω	d250 440 s
d280 0,74 Ω	d280 640 s
d315 0,67 Ω	d315 840 s
d355 0,64 Ω	d355 1620 s
d400 0,64 Ω	d400 2100 s
d450 0,57 Ω	d450 2400 s

d [mm]	SDR	Code	WEIGHT [kg]	d1 [mm]	L [mm]	SDR pipe
160	17	753 911 167	1,02	186	180	9-26
180	17	753 911 168	1,43	213	192	9-26
200	17	753 911 169	1,72	233	206	9-26
225	17	753 911 170	2,54	261	225	9-33
250	17	753 911 171	3,30	285	248	9-33
280	17	753 911 172	4,40	322	252	9-33
315	17	753 911 173	6,10	382	267	9-33
355	17	753 911 174	10,30	416	291	9-33
400	17	753 911 175	13,30	467	295	9-33
450	17	753 911 176	18,20	526	327	9-33

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