SCHUTZSCHLAUCH AUSWAHLKRITERIEN
SELECTION CRITERIA FOR PROTECTIVE CONDUITS

SCHUTZSCHLAUCH PROTECTIVE CONDUIT	Material Material	IP-Schutzgrad IP-rate	Temperatur min. [°C] Temperature min. [°C]	Temperatur max. [°C] Temperature max. [°C]	Temperatur kurzzeitig [°C] Temperature short term [°C]	Halogenfrei Free of halogen	UV - beständig [schwarz] UV - resistance [black]	Mit Isolationseigenschaften With insulating characteristics	Nicht - Flammausbreitend No - flame propagation	Brennbarkeit [UL94] Flammability [UL94]	Flammbeständigkeit Flame resistance	Druckfestigkeit Resistance to compression	Schlagfestigkeit Resistance to impact	Flexibilität Flexibility	Zugfestigkeit Tensile strength	Biegewechselfestigkeit Alternative bending strength	Ölbeständigkeit Oil resistance	Benzinbeständigkeit Petrol resistance	Rauchgasdichte Density of smoke
ROHRflex PA 6	PA6	IP68	-40°	+120°	+150°	✓	✓	✓	✓	V0									
ROHRflex PA 6-D	PA6	IP68	-40°	+120°	+150°	✓	✓	✓	✓	V0									
ROHRflex PA 6-S	PA6	IP68	-40°	+120°	+150°	✓	✓	✓	✓	V2									
ROHRflex PA 6-L | PA 6-LL	PA6	IP68	-25°	+120°	-	✓	✓	✓	✓	HB									
ROHRflex PA 6-UL-SD	PA6	IP68	-25°	+120°	-	✓	✓	✓	✓	V2									
ROHRflex PA 6-HT	PA6	IP68	-25°	+150°	+170°	✓	✓	✓	✓	V2									
ROHRflex PA 12	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
ROHRflex PA 12-D	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
ROHRflex PA 12-S	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
ROHRflex PA 12-SD	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
ROHRflex PA 12-F	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
ROHRflex PA 12-FD	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
ROHRflex PA 12-ESD	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	HB									
ROHRflex PU	PU	IP68	-40°	+120°	+150°	✓	✓	✓	✓	HB									
ROHRflex PP	PP	IP68	-40°	+120°	+150°	✓	✓	✓	✓	HB									
ROHRflex PA 6-CU	PA6|CU	IP68	-40°	+120°	+150°	✓	✓	✓	✓	HB									
ROHRflex Duo PA 6	PA6	IP40	-40°	+120°	+150°	✓	✓	✓	✓	HB									
ROHRflex Duo PP	PP	IP40	-25°	+135°	+150°	-	✓	✓	✓	V2									
ROHRflex MULTI PA 6	PA6	IP68	-40°	+120°	+150°	✓	✓	✓	✓	HB									
ROHRflex MULTI PA 12	PA12	IP68	-50°	+100°	+130°	✓	✓	✓	✓	HB									
SPR | SPR – AS	Stn	IP40	-50°	+250°	-	✓	✓	-	✓	-									
SPR – VA	V2A	IP40	-200°	+600°	-	✓	✓	-	✓	-									
SPR – EDU – AS	Stn|Stn	IP40	-50°	+250°	-	✓	✓	-	✓	-									
SPR – CU – AS	Stn|CU	IP40	-50°	+250°	-	✓	✓	-	✓	-									
FLEXAgraff – AS	Stn	IP40	-50°	+250°	-	✓	✓	-	✓	-									
FLEXAgraff – VA	V2A	IP40	-200°	+600°	-	✓	✓	-	✓	-									
FLEXAgraff – CU – AS	Stn|CU	IP40	-50°	+250°	-	✓	✓	-	✓	-									
SPR – PVC | SPR – PVC – AS	Stn|PVC	IP68	-25°	+90°	+100°	-	-	✓	✓	-									
SPR – VA – PVC	V2A|PVC	IP68	-25°	+90°	+100°	-	-	✓	✓	-									
SPR – VA – PU	V2A|PU	IP68	-25°	+90°	+100°	✓	✓	✓	✓	-									
SPR – PVC – ESD	Stn|PVC	IP68	-25°	+80°	+100°	-	✓	-	✓	-									
SPR – PA	Stn|PA	IP68	-50°	+120°	+150°	✓	✓	✓	✓	-									
SPR – PU – AS	Stn|PU	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
SPR – PU – F	Stn|PU	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V0									
SPR – PVC – EDU – AS	Stn|PVC	IP68	-25°	+90°	+100°	-	-	✓	✓	-									
FLEXAgraff – PU – AS	Stn|PU	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
FLEXAgraff – PU – F	Stn|PU	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V0									
FLEXAgraff – SI – ASF	Stn|Si	IP68	-50°	+180°	-	✓	✓	✓	✓	-									
FLEXAgraff – CU – PU	Stn|CU|PU	IP68	-50°	+100°	+130°	✓	✓	✓	✓	V2									
LIQUID – TIGHT – EF	Stn|PVC	IP68	-25°	+90°	+100°	-	-	✓	✓	-									
LIQUID – TIGHT – EF – OR	Stn|PVC	IP68	-25°	+90°	+100°	-	-	✓	✓	-									
LIQUID – TIGHT – UL – CSA	Stn|PVC	IP68	-25°	+70°	+100°	-	-	✓	✓	-									
LIQUID – TIGHT – FOOD	Stn|PU	IP68	-40°	+80°	+110°	✓	-	✓	-	-									
AIRflex – KUW – PVC – AS	F|PVC	IP68	-25°	+90°	+100°	-	-	✓	-	-									
AIRflex – KUW – PU – AS	F|PU	IP68	-40°	+100°	+120°	✓	✓	✓	✓	V2									
AIRflex – KUW – EDU	F|PVC|Stn	IP68	-25°	+90°	+100°	-	-	✓	-	-									
AIRflex – K	PVC	IP68	-25°	+70°	+100°	✓	-	✓	-	-									
AIRflex – GRS	PVC	IP68	-25°	+70°	+100°	✓	-	✓	-	-									
AIRflex – GRS – FOOD	PVC	IP68	-25°	+50°	+70°	✓	-	✓	-	-									
FLEXAhightemp	Si	IP68	-50°	+350°	+700°	✓	✓	✓	✓	-									
HG – PA	PA6	IP40	-50°	+120°	+150°	✓	✓	✓	✓	V2									
HG – PET022	PET	IP40	-50°	+150°	+175°	✓	✓	✓	✓	-									
HG – CU |– CU – F | HG – CU – K	PVC|CU	IP40	-50°	+250°	-	✓	-	✓	✓	-									
HG – EDU	Stn	IP40	-50°	+250°	-	✓	-	-	✓	-									
PS – VA | PSL – VA	V2A|Si|GL	IP68	-50°	+180°	-	✓	✓	✓	✓	-									
FDW – VA	V2A		-200°	+600°	-	-	-	-	-	-									

SCHUTZSCHLAUCH AUSWAHLKRITERIEN
SELECTION CRITERIA FOR PROTECTIVE CONDUITS

SCHUTZSCHLAUCH PROTECTIVE CONDUIT	Schienenfahrzeuge Railway Industry					Schiff Ship		Industrie Industry				EINSATZGEBIETE APPLICATIONS											
	EN 45545 Teil2 EN 45545 part2	DIN 5510 DIN 5510	NFF 16-101/102 NFF 16-101/102	UNI CEI 11170 UNI CEI 11170	ASTM E162/E662 ASTM E162/E662	Lloyd's Register Lloyd's Register	DNV DNV	VDE Zulassung [EN 61386] VDE approval [EN 61386]	UL | CSA Zulassung [UL 1696] UL | CSA approval [UL 1696]	Rütteltest [EN IEC 61373] Vibration test [EN IEC 61373]	EMV Zulassung [EN 50289 1-6] EMC approval [EN 50289 1-6]	Maschinen- und Anlagenbau Machine | Plant constructions	Fahrzeugbau Automotive	Schienenfahrzeuge Railway industry	Schiffsbau Shipbuilding	Automation Automation	Elektroanlagen Electrical installations	Medizintechnik Medical technology	Lebensmittelindustrie Food and beverage industry	Sensortechnik Sensor technology	Ex-Bereich [EN 1127-1] Ex-area [EN 1127-1]	EMV-Anwendungen EMC-applications	Hochtemperaturbereiche High temperature areas
ROHRflex PA 6	HL3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 6-D	HL3	✓	-	-	-	✓	-	✓	✓	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 6-S	-	✓	✓	-	✓	✓	✓	✓	✓	✓	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 6-L | PA 6-LL	-	-	-	-	-	✓	-	✓	✓	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 6-UL-SD	-	-	-	-	-	-	-	✓	-	-	-	✓	-	-	✓	-	✓	-	-	-	-	-	-
ROHRflex PA 6-HT	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	-	-	✓	-	-	-	-	-	✓
ROHRflex PA 12	HL2	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 12-D	HL2	✓	✓	✓	✓	✓	-	✓	✓	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 12-S	-	✓	✓	-	✓	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 12-SD	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 12-F	HL3	-	-	-	-	-	-	✓	-	-	-	-	✓	✓	-	-	✓	-	-	-	-	-	-
ROHRflex PA 12-FD	HL3	-	-	-	-	-	-	✓	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-
ROHRflex PA 12-ESD	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	✓	-	-	-	✓	-	-
ROHRflex PU	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
ROHRflex PP	-	-	-	-	-	✓	-	✓	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
ROHRflex PA 6-CU	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	✓	✓	✓	-	-	-	-	✓	-
ROHRflex Duo PA 6	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	✓	-	-	-	-	-	-
ROHRflex Duo PP	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
ROHRflex MULTI PA 6	-	-	-	-	-	-	-	-	✓	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
ROHRflex MULTI PA 12	-	-	-	-	-	-	-	-	✓	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
SPR | SPR – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	✓
SPR – VA	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓
SPR – EDU – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	✓	-	✓
SPR – CU – AS	-	-	-	-	-	-	-	✓	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	✓	-
FLEXAgraff – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	✓
FLEXAgraff – VA	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	✓
FLEXAgraff – CU – AS	-	-	-	-	-	-	-	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	-
SPR – PVC | SPR – PVC – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	-	-	✓	✓	✓	-	-	✓	-	-	-
SPR – VA – PVC	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
SPR – VA – PU	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
SPR – PVC – ESD	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	-	-	✓	✓	-	-
SPR – PA	HL2	-	-	-	-	-	-	✓	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-
SPR – PU – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
SPR – PU – F	HL3	✓	✓	-	-	-	-	✓	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
SPR – PVC – EDU – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
FLEXAgraff – PU – AS	-	-	-	-	-	-	-	✓	-	✓	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
FLEXAgraff – PU – F	HL3	✓	✓	-	-	-	-	✓	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
FLEXAgraff – SI – ASF	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	✓
FLEXAgraff – CU – PU	-	-	-	-	-	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	✓	-	-	-	-	✓	-
LIQUID – TIGHT – EF	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
LIQUID – TIGHT – EF – OR	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
LIQUID – TIGHT – UL – CSA	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	-	-	-	-	-	-
LIQUID – TIGHT – FOOD	-	-	-	-	-	-	-	-	✓	-	-	✓	-	-	-	✓	✓	✓	✓	-	-	-	-
AIRflex – KUW – PVC – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-
AIRflex – KUW – PU – AS	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-
AIRflex – KUW – EDU	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	✓	✓	✓	-	-	-	-	-
AIRflex – K	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-
AIRflex – GRS	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-
AIRflex – GRS – FOOD	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	✓	✓	✓	✓	-	-	-	-
FLEXAhightemp	-	✓	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	✓
HG – PA	-	✓	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
HG – PET022	HL3	✓	✓	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
HG – CU |– CU – F | HG – CU – K	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	✓	-
HG – EDU	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	✓	✓	✓	-	-	-	-	-
PS – VA | PSL – VA	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	✓	✓	✓	✓	-	-	✓	-
FDW – VA	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓