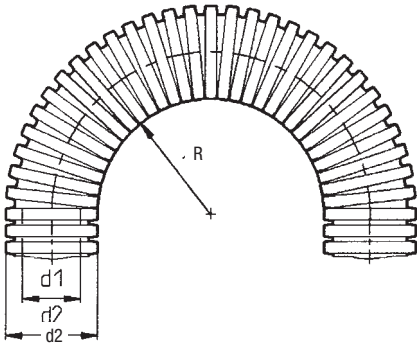


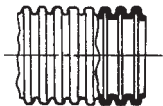
Conduits

PMAFLEX® Conduits



** stat. R = lowest recommended bending radius for static (fixed) installation.

*** dyn. R = lowest recommended bending radius for dynamic (flexible) installation.



Coarse profile G
High pullout strength



Fine profile T
Tight bending radius

PMAFLEX® covers more than 20 different conduit types for a variety of applications in cable protection. The PMAFLEX® range offers conduits for technically demanding applications and special requirements.

Conduit sizes range from 6 to 125 diameters, from lightweight to heavyweight, and pliable to highly flexible. Standard colours are black and grey.

Many conduits are specially approved, e.g. CSA, UL Recognition, NF, SNCF, DB, etc.

XPCLT-12SG

X	PCL	T	- 12	S	G
Multi-Layer Conduit	Type	Profile	Nominal Width	Colour	Colour Inner Layer
		T = Fine profile		B = BLACK	G = GREEN
		d = Fine profile		s = GREY	B = BLUE
		c = Coarse profile			



Conduits

CYF/CYFH Flexible, Medium/Heavy

- Use in automobile and truck industries
- High-grade, specially modified polyamide 6
- CYF: medium-wall (NW 07 to 17); CYFH: heavy-wall (NW 23 to 48)
- Self extinguishing
- Free from halogens and cadmium
- Good impact strength at low temperatures and in dry conditions

Temperature range: -30° C to 90° C; Short term to 125° C
Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius † (mm)	PU Meter
CYFT-07B	7	10	6.2	10.0	15	100
CYFT-10B	10	12	9.6	13.0	20	
CYFT-12B	12	16	12.0	15.8	30	
CYFT-17B	17	20	16.2	21.2	40	
CYFHG-23B	23	25	21.4	28.5	50	50
CYFHG-29B	29	32	27.2	34.4	60	
CYFHG-36B	36	40	35.8	42.4	70	
CYFHG-48B	48	50	46.8	54.4	80	

For actual cat. number, add PU METER at the end. Example: CYFT-07B.100

Fine profile T
Tight bending radius

Coarse profile G
High pullout strength

**† stat. R = lowest recommended bending radius for static (fixed) installation.

CYL Very Flexible, Medium

- Use in machine building and installation industries
- High-grade, specially formulated polyamide 6
- Very good flexibility
- Good impact strength at low temperatures and in dry conditions
- Self extinguishing
- Free from halogens and cadmium

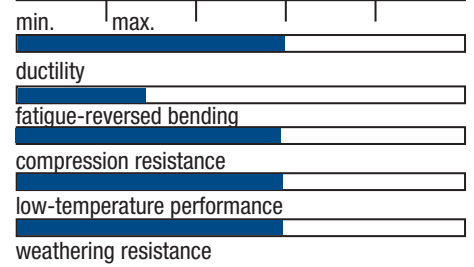


Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius † (mm)	PU Meter
CYLT-07B	CYLT-07S	7	10	6.2	10.0	15	50
CYLT-10B	CYLT-10S	10	12	9.6	13.0	20	
CYLT-12B*	CYLT-12S*	12	16	12.0	15.8	30	
CYLT-17B*	CYLT-17S*	17	20	16.2	21.2	40	
CYLT-23B*	CYLT-23S*	23	25	22.6	28.5	45	30
CYLT-29B*	CYLT-29S*	29	32	29.0	34.5	55	
CYLT-36B*	CYLT-36S*	36	40	36.5	42.5	60	
CYLT-48B*	CYLT-48S*	48	50	47.5	54.5	70	
CYLG-23B*	CYLG-23S*	23	25	21.9	28.5	45	50
CYLG-29B*	CYLG-29S*	29	32	27.6	34.5	55	
CYLG-36B*	CYLG-36S*	36	40	36.0	42.5	60	
CYLG-48B*	CYLG-48S*	48	50	47.0	54.5	70	
CYLG-56B	CYLG-56S	56	68	56.3	67.2	120	10
CYLG-70B	CYLG-70S	70	80	68.0	80.0	160	
CYLG-95B	CYLG-95S	95	106	91.9	106.0	210	
CYLG-125B	CYLG-125S	125	146	126.5	146.5	450	

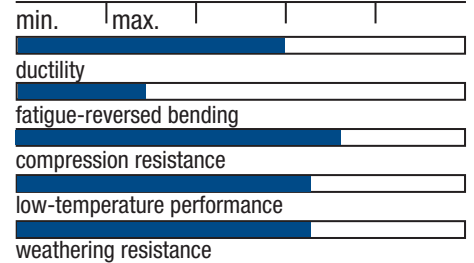
* CSA certified

For actual cat. number, add PU METER at the end. Example: CYLT-07B.50

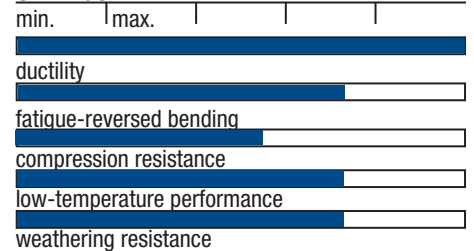
CYF Index



CYFH Index



CYL Index



Temperature range: -40° C to 105° C; Short term to 160° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc. (see page E102-E103)

Conduits

ESD Very Flexible, Medium

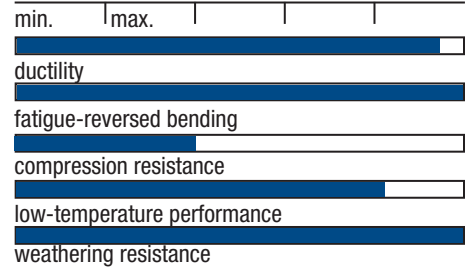
- For dynamic applications in robotics and automation where electrostatic charge and uncontrolled discharge need to be avoided
- High-grade, specially modified polyamide 12
- Prevents electrostatic charging
- For indoor and outdoor use (very good cold temperature performance)
- Excellent UV resistance and high dynamic-load resistance
- Free from halogens and cadmium



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
ESDT-07B	07	10	6.2	10.0	15	50
ESDT-10B	10	12	9.6	13.0	20	
ESDT-12B	12	16	12.0	15.8	30	
ESDT-17B	17	20	16.4	21.1	40	
ESDT-23B	23	25	22.6	28.4	45	
ESDT-29B	29	32	29.0	34.3	55	30
ESDT-36B	36	40	36.5	42.5	60	
ESDT-48B	48	50	47.5	54.5	70	
ESDG-56B	56	68	56.5	67.0	110	
ESDG-70B	70	80	67.5	80.0	150	
ESDG-95B	95	106	91.5	106.0	170	10

For actual cat. number, add PU METER at the end. Example: ESDT-07B.50

ESD Index

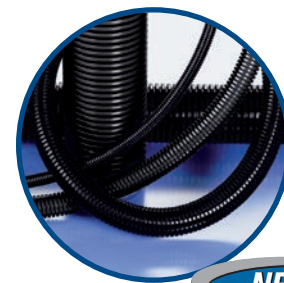


Temperature range: -40° C to 90° C;
Short term to 150° C

Chemical Resistance: Fuels, mineral oils, fats, alkalies, acids, etc.

ESDP Very Flexible, Medium


- For dynamic applications in automation, electronics and clean rooms where electrostatic charging and uncontrolled discharge must be avoided
- High-grade, specially modified polyolefin
- Prevents electrostatic charging
- Minimal migration
- Very good dynamic load resistance and good impact resistance
- Free from halogens and cadmium




NEW!

Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius * (mm)	PU Meter
ESDPT-07B	7	10	6.2	10.0	15	50
ESDPT-10B	10	12	9.6	13.0	20	
ESDPT-12B	12	16	12.0	15.8	30	
ESDPT-17B	17	20	16.4	21.1	40	
ESDPT-23B	23	25	22.6	28.4	45	
ESDPT-29B	29	32	29.0	34.3	55	30
ESDPT-36B	36	40	36.5	42.5	60	
ESDPT-48B	48	50	47.5	54.5	70	

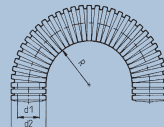
For actual cat. number, add PU METER at the end. Example: ESDPT-07B.50



Fine profile T
Tight bending radius

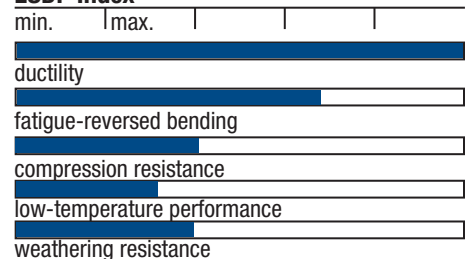


Coarse profile G
High pullout strength



**† stat. R = lowest recommended bending radius for static (fixed) installation.

ESDP Index



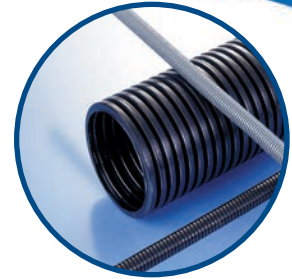
Temperature range: -20° C to 90° C continuous

Chemical Resistance: Fuels, mineral oils, fats, alkalies, strong acids, etc.

Conduits

PCL Very Flexible, Medium

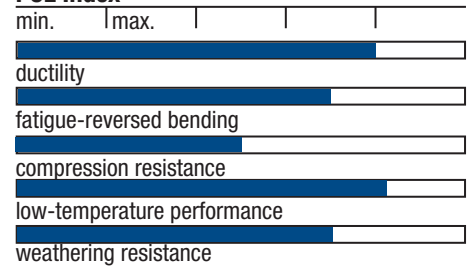
- Specially modified polyamide 6/6.6 for cold impact
- Very good flexibility
- Self extinguishing
- Free from halogens and cadmium
- High impact strength also at low temperatures



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius † (mm)	PU Meter	
PCLT-07B	PCLT-07S	7	10	6.2	10.0	15	50	
PCLT-10B	PCLT-10S	10	12	9.6	13.0	20		
PCLT-12B*	PCLT-12S*	12	16	12.0	15.8	30		
PCLT-17B *	PCLT-17S*	17	20	16.2	21.2	40		
PCLT-23B*	PCLT-23S*	23	25	22.6	28.5	45		
PCLT-29B*	PCLT-29S*	29	32	29.0	34.5	55	30	
PCLT-36B*	PCLT-36S*	36	40	36.5	42.5	60		
PCLT-48B*	PCLT-48S*	48	50	47.5	54.5	70		
PCLG-17B*	PCLG-17S*	17	20	15.3	21.2	40		50
PCLG-23B*	PCLG-23S*	23	25	21.9	28.5	45		
PCLG-29B*	PCLG-29S*	29	32	27.6	34.5	55		
PCLG-36B*	PCLG-36S*	36	40	36.0	42.5	60	30	
PCLG-48B*	PCLG-48S*	48	50	47.0	54.5	70		
PCLG-56B	PCLG-56S	56	68	56.3	67.2	130		
PCLG-70B	PCLG-70S	70	80	67.5	80.0	160	10	
PCLG-95B	PCLG-95S	95	106	91.5	106.0	210		
PCLG-125B	PCLG-125S	125	146	126.5	146.5	450		6

*CSA certified.
For actual cat. number, add PU METER at the end. Example: PCLT-07B.50

PCL Index

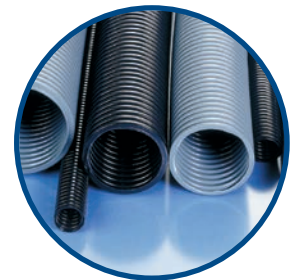


Temperature range: -50° C to 105° C;
Short term to 160° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.

PCS Highly Flexible, Heavy

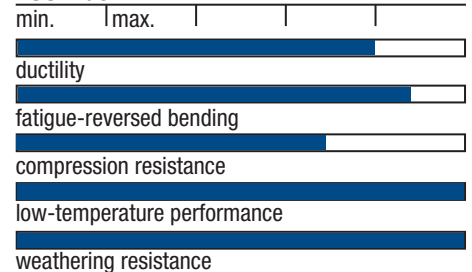
- High-grade, specially modified polyamide 12
- Excellent resistance to ultraviolet rays and atmospheric corrosion
- Excellent flexibility and is self extinguishing
- Good mechanical strength at low temperatures and dry conditions
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius † (mm)	PU Meter
PCST-07B	PCST-07S	7	10	6.0	10.0	15/40	100
PCST-10B	PCST-10S	10	12	9.2	13.0	20/50	
PCST-12B*	PCST-12S*	12	16	11.8	15.8	25/70	
PCST-17B*	PCST-17S*	17	20	16.0	21.2	35/80	50
PCSG-17B*	PCSG-17S*	17	20	15.2	21.2	35/85	
PCSG-23B*	PCSG-23S*	23	25	22.0	28.5	40/110	
PCSG-29B*	PCSG-29S*	29	32	27.7	34.4	50/130	
PCSG-36B*	PCSG-36S*	36	40	35.8	42.4	60/180	
PCSG-48B*	PCSG-48S*	48	50	46.8	54.4	70/220	30
PCSG-56B	PCSG-56S	56	68	56.1	67.2	130/280	
PCSG-70B	PCSG-70S	70	80	66.5	80.0	170/360	
PCSG-95B	PCSG-95S	95	106	91.0	106.0	250/470	10

*CSA certified.
For actual cat. number, add PU METER at the end. Example: PCST-07B.100

PSC Index



Fine profile T
Tight bending radius

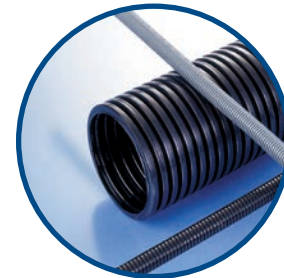
 Coarse profile G
High pullout strength

**† stat. R = lowest recommended bending radius for static (fixed) installation.

Conduits

PCSL Very Flexible, Medium-Duty

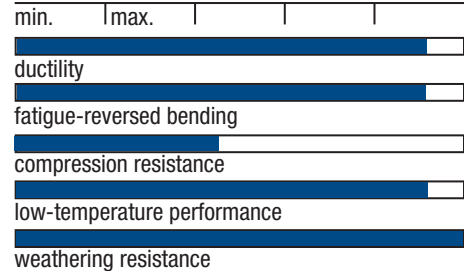
- Use in dynamic installations in railway vehicles, or in external applications like solar systems and signalling
- High-grade, specially modified polyamide 12
- Excellent resistance to ultraviolet rays and atmospheric corrosion
- Excellent flexibility
- Good mechanical strength at low temperatures and dry conditions
- Self-extinguishing properties
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius (mm)	PU Meter
PCSLT-07B	PCSLT-07S	7	10	6.2	10.0	15	50
PCSLT-10B	PCSLT-10S	10	12	9.6	13.0	20	
PCSLT-12B	PCSLT-12S	12	16	11.9	15.8	25	
PCSLT-17B	PCSLT-17S	17	20	16.4	21.1	30	
PCSLG-17B	PCSLG-17S	17	20	15.2	21.1	30	
PCSLG-23B	PCSLG-23S	23	25	21.7	28.4	40	
PCSLG-29B	PCSLG-29S	29	32	27.4	34.3	50	30
PCSLG-36B	PCSLG-36S	36	40	35.8	42.3	60	
PCSLG-48B	PCSLG-48S	48	50	46.7	54.2	70	

For actual cat. number, add PU METER at the end. Example: PCSLT-07B.50

PCSL Index



Temperature range: -50° C to 95° C;
Short term to 150° C

Chemical resistance: Fuels, mineral oils, fats, alkalis, weak acids, etc.

PEL Highly Flexible, Light/Soft

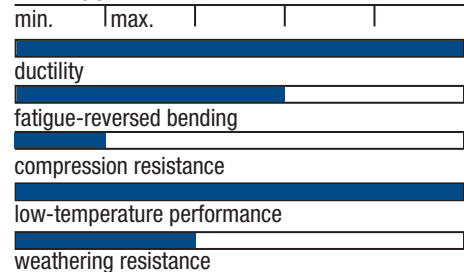
- Use in electrical cabinets and appliance construction
- Specially modified polyethylene
- Self-extinguishing
- Low stiffness



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius (mm)	PU Meter
PELT-10S	PELT-10SL	10	12	9.7	12.7	20	50
PELT-12S	PELT-12SL	12	16	11.5	15.5	30	
PELT-17S	PELT-17SL	17	20	16.0	20.9	35	
PELT-23S	PELT-23SL	23	25	22.5	27.5	40	30
PELT-29S	PELT-29SL	29	32	28.5	33.8	50	
PELT-36S	PELT-36SL	36	40	34.0	41.6	60	
PELT-48S	PELT-48SL	48	50	47.0	53.2	70	


For actual cat. number, add PU METER at the end. Example: PELT-10S.50

PEL Index




Temperature range: -50° C to 60° C

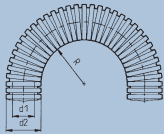
Chemical resistance: Fuels, mineral oils, fats, alkalis, acids, etc.



Fine profile T
Tight bending radius



Coarse profile G
High pullout strength



**† stat. R =

lowest recommended bending radius for static (fixed) installation.

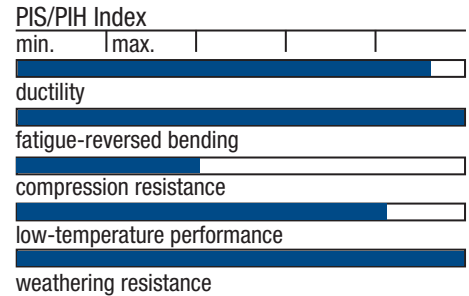
Conduits

PIS/PIH Highly Flexible, Medium- and Heavy-Duty

- Use in dynamic applications in robotics and automation
- High-grade, specially modified polyamide 12
- PIS: medium-wall (nominal width 07 to 48)
- PIH: heavy-wall (nominal width 56 to 125)
- Excellent resistance to ultraviolet rays and atmospheric corrosion
- Self extinguishing
- Excellent flexibility
- Free from halogens and cadmium
- Good mechanical strength at low temperatures and dry conditions



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius † (mm)	PU Meter
PIST-07B	PIST-07S	7	10	6.2	10.0	15/40	50
PIST-10B	PIST-10S	10	12	9.6	13.0	20/50	
PIST-12B	PIST-12S	12	16	11.9	15.8	25/65	
PIST-17B	PIST-17S	17	20	16.4	21.1	30/65	
PIST-23B	PIST-23S	23	25	22.6	28.4	35/90	
PIST-29B	PIST-29S	29	32	29.0	34.3	45/110	30
PIST-36B	PIST-36S	36	40	36.5	42.5	60/165	
PIST-48B	PIST-48S	48	50	47.5	54.5	70/180	
PISG-17B	PISG-17S	17	20	15.2	21.1	30/80	
PISG-23B	PISG-23S	23	25	21.7	28.4	40/100	50
PISG-29B	PISG-29S	29	32	27.4	34.3	50/120	
PISG-36B	PISG-36S	36	40	35.8	42.3	60/180	
PISG-48B	PISG-48S	48	50	46.7	54.2	70/200	
PIHG-56B	PIHG-56S	56	68	56.3	67.2	110/270	30
PIHG-70B	PIHG-70S	70	80	67.2	79.6	150/350	
PIHG-95B	PIHG-95S	95	106	91.3	106.0	170/450	
PIHG-125B	PIHG-125S	125	146	126.5	146.5	350/480	
							20



Temperature range: -50° C to 95° C; Short term to 150° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.

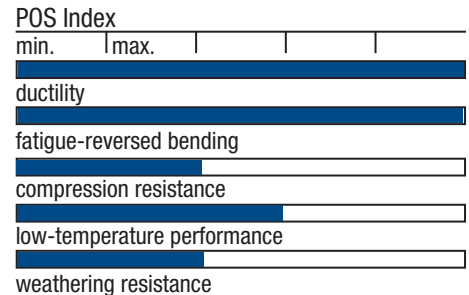
UL Recognized Component.
For actual cat. number, add PU METER at the end. Example: PIST-07B.50

POS Very Flexible, Medium-Duty

- Use in automation as well as in machine building and industrial installations, especially where continuous movements occur
- High-grade, specially modified polyolefin
- Excellent reversed bending performance and flexibility
- Very good insulating characteristics
- Good impact resistance
- Free from halogens and cadmium

Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius † (mm)	PU Meter
POST-07B	POST-07S	7	10	6.2	10.0	15	50
POST-10B	POST-10S	10	12	9.6	13.0	20	
POST-12B	POST-12S	12	16	11.9	15.8	30	
POST-17B	POST-17S	17	20	16.2	21.2	35	
POST-23B	POST-23S	23	25	22.6	28.5	40	
POST-29B	POST-29S	29	32	29.0	34.5	50	30
POST-36B	POST-36S	36	40	36.5	42.5	60	
POST-48B	POST-48S	48	50	47.5	54.5	70	
POSG-29B	POSG-29S	29	32	27.6	34.5	50	
POSG-36B	POSG-36S	36	40	36.0	42.5	60	50
POSG-48B	POSG-48S	48	50	47.0	54.5	70	
POSG-70B	POSG-70S	70	80	67.2	79.6	150	
POSG-95B	POSG-95S	95	106	91.3	106.0	170	
							30

For actual cat. number, add PU METER at the end. Example: POST-07B.50



Temperature range: -25° C to 95° C; Short term to 130° C

Chemical resistance: Strong acids

Fine profile T
Tight bending radius

 Coarse profile G
High pullout strength

****† stat. R = lowest recommended bending radius for static (fixed) installation.**

Conduits

PUE Highly Flexible, Medium

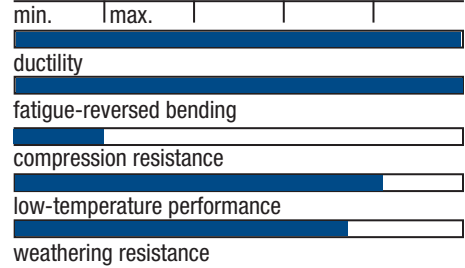
- Use in dynamic applications in robotics and automation
- Specially modified polyurethane
- Free from halogens and cadmium
- Excellent chafing properties



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
PUET-12B	12	16	11.8	15.8	25/45	50
PUET-17B	17	20	16.0	21.2	30/50	
PUET-23B	23	25	22.4	28.5	35/70	
PUET-29B	29	32	28.8	34.5	40/90	30
PUET-36B	36	40	35.8	42.4	50/120	
PUET-48B	48	50	48.6	54.5	60/130	21
PUEG-56B	56	68	56.3	67.2	90/170	
PUEG-70B	70	80	68.2	80.5	100/220	30

For actual cat. number, add PU METER at the end. Example: PUET-12B.50

PUE Index



Temperature range: -60° C to 50° C

Chemical resistance: Fuels, mineral oils and fats, etc.

PVD Pliable, Medium

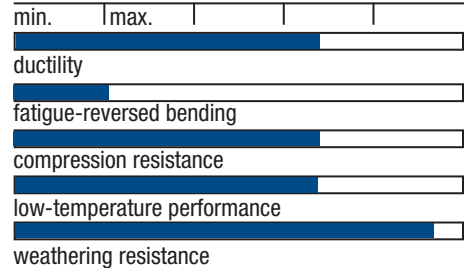
- Use in machine building applications with long-term high-temperature requirements as well as in the chemical and food industries
- Specially formulated PVDF
- Excellent chemical resistance also at high temperatures
- Self extinguishing and free from cadmium
- Excellent UV resistance and very good abrasion resistance
- High stiffness



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
PVDT-10P	10	12	9.5	12.6	10	50
PVDT-12P	12	16	11.8	15.5	30	
PVDT-17P	17	20	16.0	20.8	40	
PVDT-23P	23	25	22.6	28.0	45	
PVDT-29P	29	32	29.0	34.1	50	


For actual cat. number, add PU METER at the end. Example: PVDT-10P.50

PVD Index




Temperature range: -60° C to 150° C

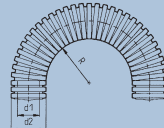
Chemical resistance: Fuels, mineral oils, fats, alkalies, strong acids, etc.



Fine profile T
Tight bending radius



Coarse profile G
High pullout strength



**† stat. R =

lowest recommended bending radius for static (fixed) installation.

Conduits

TEC Flexible, Light-Duty

- Use in chemical installations or applications with increased temperature requirements
- Specially formulated PFA
- Very good resistance to extreme low and high temperatures
- Self extinguishing
- Excellent resistance to highly corrosive chemicals



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
TECT-10B	10	12	9.9	13.0	9	50
TECT-13B	13	—	12.5	16.0	12	
TECT-17B	17	20	16.8	21.1	15	
TECT-23B	23	25	23.8	28.8	26	25
TECT-29B	29	32	28.2	33.0	30	

For actual cat. number, add PU METER at the end. Example: TECT-10B.50

TEC Index

min.	max.			
ductility				
fatigue-reversed bending				
compression resistance				
low-temperature performance				
weathering resistance				

Temperature range: -200° C to 200° C;
Short term to 260° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, strong acids, etc.

VAM Flexible, Heavy

- In passenger areas of railway vehicles
- Excellent fire safety characteristics allow application in public buildings like hospitals, hotels, airports, train and subway
- High-grade, specially formulated polyamide 6
- Good resistance to ultraviolet rays and weathering
- High impact and compression strength
- High stiffness
- Free from halogens and cadmium
- Outstanding self-extinguishing characteristics
- Minimal development of smoke and gases



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
VAMT-07B	VAMT-07S	7	10	6.0	10.0	20	50
VAMT-10B	VAMT-10S	10	12	9.2	13.0	25	
VAMT-12B	VAMT-12S	12	16	11.8	15.8	30	
VAMT-17B	VAMT-17S	17	20	16.0	21.2	40	
VAMG-17B	VAMG-17S	17	20	15.2	21.2	40	
VAMG-23B	VAMG-23S	23	25	22.0	28.5	50	
VAMG-29B	VAMG-29S	29	32	27.7	34.4	60	
VAMG-36B	VAMG-36S	36	40	35.8	42.4	70	30
VAMG-48B	VAMG-48S	48	50	46.8	54.4	80	


For actual cat. number, add PU METER at the end. Example: VAMT-07B.50


VAM Index

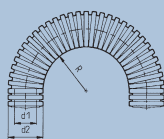
min.	max.			
ductility				
fatigue-reversed bending				
compression resistance				
low-temperature performance				
weathering resistance				

Temperature range: -40° C to 105° C;
Short term to 160° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.

 Fine profile T
Tight bending radius

 Coarse profile G
High pullout strength



**† stat. R = lowest recommended bending radius for static (fixed) installation.

Conduits

VAML Flexible, Medium

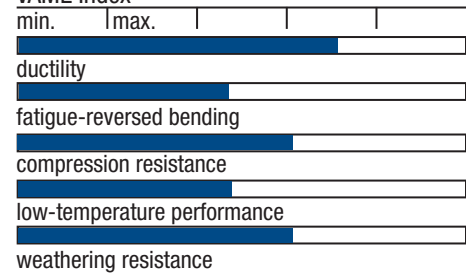
- Use in passenger areas of railway vehicles
- Excellent fire safety characteristics for public buildings
- Specially modified polyamide 6
- Good impact strength
- Good resistance to ultraviolet rays and weathering
- Outstanding self-extinguishing characteristics
- Minimal development of smoke and gases
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
VAMLT-07B	VAMLT-07S	7	10	6.2	10.0	15	50
VAMLT-10B	VAMLT-10S	10	12	9.6	13.0	20	
VAMLT-12B	VAMLT-12S	12	16	12.0	15.8	30	
VAMLG-17B	VAMLG-17S	17	20	15.3	21.2	40	
VAMLG-23B	VAMLG-23S	23	25	22.6	28.5	45	
VAMLG-29B	VAMLG-29S	29	32	27.6	34.5	55	30
VAMLG-36B	VAMLG-36S	36	40	36.0	42.5	65	
VAMLG-48B	VAMLG-48S	48	50	47.0	54.5	75	
VAMLG-56B	VAMLG-56S	56	68	56.3	67.2	140	
VAMLG-70B	VAMLG-70S	70	80	67.5	80.0	160	
VAMLG-95B	VAMLG-95S	95	106	91.5	106.0	210	10
VAMLG-125B	VAMLG-125S	125	148	126.0	146.5	450	6

For actual cat. number, add PU METER at the end. Example: VAMLT-07B.50

VAML Index

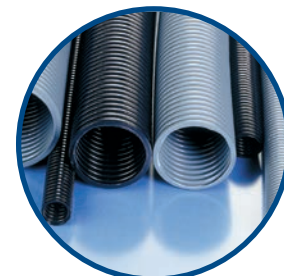


Temperature range: -40° C to 105° C;
Short term to 160° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.

VCS Flexible, Heavy

- Use in external applications, static installations in railway vehicles
- High-grade, specially formulated polyamide 6
- Very good resistance to ultraviolet rays and weathering
- Good flexibility
- Self extinguishing
- High compression and impact strengths at low temperature and low humidity
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter	
VCST-07B	VCST-07S	7	10	6.0	10.0	20	100	
VCST-10B	VCST-10S	10	12	9.2	13.0	25		
VCST-12B*	VCST-12S*	12	16	11.8	15.8	30		
VCST-17B*	VCST-17S*	17	20	16.0	21.2	40		
VCSG-17B*	VCSG-17S*	17	20	15.2	21.2	40		
VCSG-23B*	VCSG-23S*	23	25	22.0	28.5	50	50	
VCSG-29B*	VCSG-29S*	29	32	27.7	34.4	60		
VCSG-36B*	VCSG-36S*	36	40	35.8	42.4	70		
VCSG-48B*	VCSG-48S*	48	50	46.8	54.4	80		
VCSG-56B	VCSG-56S	56	68	56.1	67.2	150		30
VCSG-70B	VCSG-70S	70	80	66.5	80.0	200		
VCSG-95B	VCSG-95S	95	106	91.0	106.0	300	10	

For actual cat. number, add PU METER at the end. Example: VCST-07B.100

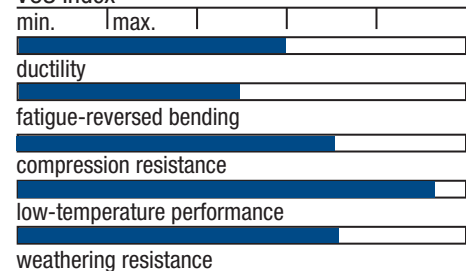
Fine profile T
Tight bending radius

Coarse profile G
High pullout strength

**† stat. R =

lowest recommended bending radius for static (fixed) installation.

VCS Index



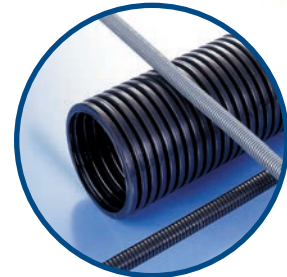
Temperature range: -50° C to 105° C;
Short term to 160° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.

Conduits

VOH Pliable, Very Heavy

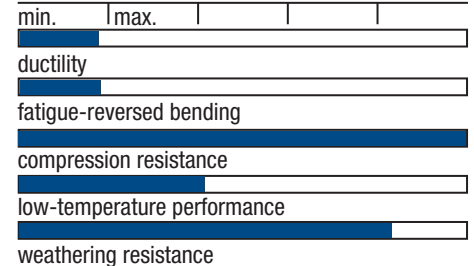
- Use to make exterior connections on heavy machine equipment
- High-grade specially modified polyamide 6
- High degree of mechanical protection and outstanding pullout resistance
- For exterior applications in machinery and installations from nominal width 17 according to UL standards
- Self extinguishing
- Robust construction
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
VOHD-07B	VOHD-07S	7	10	5.8	10.0	30	50
VOHD-10B	VOHD-10S	10	12	9.0	13.0	35	
VOHD-12B	VOHD-12S	12	16	11.6	15.8	40	
VOHG-17B	VOHG-17S	17	20	14.5	21.0	60	
VOHG-23B	VOHG-23S	23	25	21.1	28.5	70	
VOHG-29B	VOHG-29S	29	32	26.6	34.5	80	30
VOHG-36B	VOHG-36S	36	40	35.0	42.5	90	
VOHG-48B	VOHG-48S	48	50	46.5	54.5	100	
VOHG-56B	VOHG-56S	56	68	55.5	67.2	135	
VOHG-70B	VOHG-70S	70	80	67.0	80.0	200	
VOHG-95B	VOHG-95S	95	106	90.5	106.0	300	10
VOHG-125B	VOHG-125S	125	146	126.0	146.5	300	6


For actual cat. number, add PU METER at the end. Example: VOHD-07B.50

VOH Index




Temperature range: -40°C to 105°C; Short term to 160°C

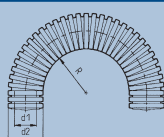
Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.



Fine profile T
Tight bending radius



Coarse profile G
High pullout strength



**† stat. R = lowest recommended bending radius for static (fixed) installation.

Conduits

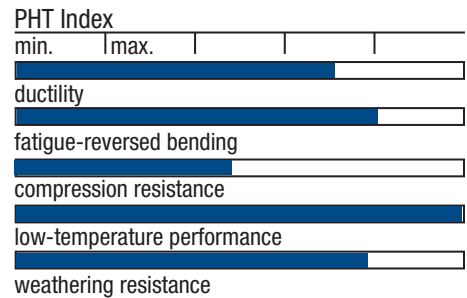
PHT Highly Flexible, Medium/Heavy-Duty

- For applications at high and very low temperatures
- For dynamic applications
- High-grade, specially formulated polyamide elastomer
- High resistance to ultraviolet rays and atmospheric corrosion
- Excellent flexibility and high compression strength
- Extremely good impact resistance at very low temperatures
- Enhanced temperature range compared to standard polyamides
- Free from halogens and cadmium



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat./DYN Radius (mm)	PU Meter
PHTT-07B	07	10	6.2	10.0	15/40	50
PHTT-10B	10	12	9.6	13.0	20/55	
PHTT-12B	12	16	12.0	15.8	30/65	
PHTT-17B	17	20	16.2	21.2	40/70	
PHTT-23B	23	25	22.6	28.5	45/95	
PHTG-17B	17	20	15.2	21.2	40/75	
PHTG-23B	23	25	22.0	28.5	45/100	
PHTG-29B	29	32	27.7	34.5	55/120	
PHTG-36B	36	40	35.8	42.5	60/180	
PHTG-48B	48	50	46.8	54.5	70/200	

For actual cat. number, add PU METER at the end. Example: PHTT-07B.50



Temperature range: -50° C to 135° C;
Short term: 180° C

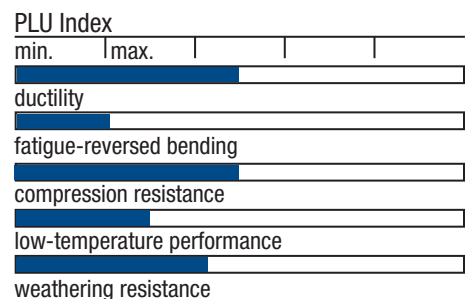
PLU Flexible, Medium-Duty, Semi-Rigid, for Static Applications

- For static applications with the highest fire safety performance requirements (e.g. London Underground)
- Specially modified polyolefin
- Excellent flammability characteristics
- Self-extinguishing properties
- Very good insulating characteristics
- Very good flexibility
- Impact resistance
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
PLUT-10B	PLUT-10S	10	9.5	13.0	20	50	50
PLUT-12B	PLUT-12S	12	11.8	15.8	30		
PLUG-17B	PLUG-17S	17	15.3	21.2	40		
PLUG-23B	PLUG-23S	23	22.2	28.5	45		
PLUG-29B	PLUG-29S	29	28.7	34.5	55		
PLUG-36B	PLUG-36S	36	36.3	42.5	65		
PLUG-48B	PLUG-48S	48	47.3	54.5	70		

For actual cat. number, add PU METER at the end. Example: PLUT-10B.50



Temperature range: -25° C to 95° C
Chemical resistance: Strong acids and alkalis

Fine profile T
Tight bending radius

Coarse profile G
High pullout strength

**† stat. R =

lowest recommended bending radius for static (fixed) installation.

Conduits

POH Very Flexible, Very Supple, Very High Stability, Medium-Duty, Highest Levels of Fire and Passenger Safety

- For applications with the highest fire safety performance requirements
- Specially modified polyolefin
- Excellent fire safety characteristics
- Self extinguishing
- Free from halogens and cadmium
- High ductility and formability enable easy installation
- Very good flexibility
- Very good insulating characteristics
- Impact resistance



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
POHT-10B	POHT-10S	10	12	9.2	13.0	13.0	50
POHT-12B	POHT-12S	12	16	11.8	15.8	15.8	
POHG-17B	POHG-17S	17	20	15.7	21.2	21.2	
POHG-23B	POHG-23S	23	25	22.0	28.5	28.5	
POHG-29B	POHG-29S	29	32	27.4	34.4	34.4	
POHG-36B	POHG-36S	36	40	35.8	42.4	42.4	
POHG-48B	POHG-48S	48	50	46.8	54.5	54.5	30

For actual cat. number, add PU METER at the end. Example: POHT-10B.50

POH Index

min.	max.			
ductility				
fatigue-reversed bending				
compression resistance				
low-temperature performance				
weathering resistance				

Temperature range: -25° C to 95° C;
Short term +120° C

Chemical resistance: Strong acids and alkalis

PSX Flexible, Light-Wall

- For applications with the highest fire safety performance requirements
- For applications with extreme temperature conditions
- For applications exposed to radiation
- Specially modified polyetherimide
- Excellent fire safety characteristics
- Self extinguishing
- Very good insulating characteristics
- High radiation resistance
- Good flexibility
- Impact resistant
- Low smoke density and toxicity
- Free from halogens and cadmium
- High impact strength also at low temperatures



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
PSXT-10B	10	12	9.8	13.0	20	50
PSXT-12B	12	16	12.2	15.8	30	
PSXG-17B	17	20	15.8	21.2	40	
PSXG-23B	23	25	22.3	28.5	45	
PSXG-29B	29	32	28.0	34.5	55	
PSXG-36B	36	40	36.5	42.5	60	
PSXG-48B	48	50	47.5	54.5	70	30

For actual cat. number, add PU METER at the end. Example: PSXT-10B.50

PSX Index

min.	max.			
ductility				
fatigue-reversed bending				
compression resistance				
low-temperature performance				
weathering resistance				

Temperature range: -100° C to 170° C;
Short term to 200° C

Chemical resistance: Oils, fats, acids, alcohols and hot water

Fine profile T
Tight bending radius

Coarse profile G
High pullout strength

**† stat. R =

lowest recommended bending radius for static (fixed) installation.

Conduits

PACOF Flexible, Divisible

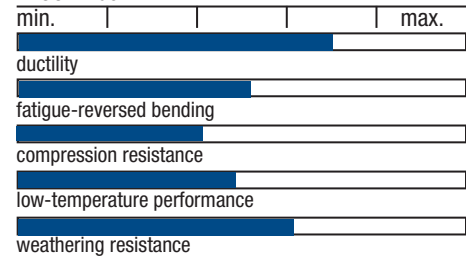
- Use in machine building and plant construction
- Specially modified polyamide 6
- Easy installation and trouble-free retrofitting, applicable also for repairs
- Can be opened and closed again in longitudinal direction any time
- Self extinguishing
- Free from halogens and cadmium



Cat. No. Black	Conduit Size NW	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
PACOF-07B	07	5.6	10.0	30	50
PACOF-10B	10	8.5	12.8	33	
PACOF-12B	12	11.0	15.6	35	
PACOF-17B	17	15.5	21.1	45	
PACOF-23B	23	22.1	28.4	70	
PACOF-29B	29	27.2	34.5	120	
PACOF-36B	36	32.0	42.4	145	30
PACOF-48B	48	43.9	54.1	150	
PACOF-70B	70	62.0	79.0	190	

For actual cat. number, add PU METER at the end. Example: PACOF-07B.50

PACOF Index



Temperature range: -40° C to 105° C;
Short term to 160° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.

PPCOF Flexible, Divisible

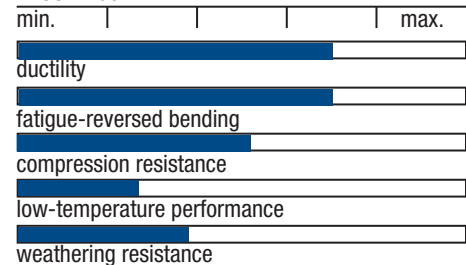
- Use in machine building and plant construction
- Specially modified polypropylene PP
- Easy installation and trouble-free retrofitting, applicable also for repairs
- Can be opened and closed again in longitudinal direction any time



Cat. No. Black	Conduit Size NW	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
PPCOF-07B	07	5.6	10.0	25	50
PPCOF-10B	10	8.5	12.8	28	
PPCOF-12B	12	11.0	15.6	35	
PPCOF-17B	17	15.1	21.1	45	
PPCOF-23B	23	22.1	28.4	60	
PPCOF-29B	29	26.6	34.5	100	
PPCOF-36B	36	31.8	42.4	120	30
PPCOF-48B	48	43.9	54.1	140	
PPCOF-70B	70	60.5	78.0	200	


For actual cat. number, add PU METER at the end. Example: PPCOF-07B.50

PPCOF Index




Temperature range: -20° C to 105° C;
Short term to 150° C

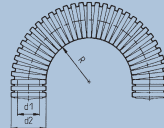
Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.



Fine profile T
Tight bending radius



Coarse profile G
High pullout strength



**† stat. R =

lowest recommended bending radius for static (fixed) installation.

Conduits

XCYL Very Flexible, Medium-Duty

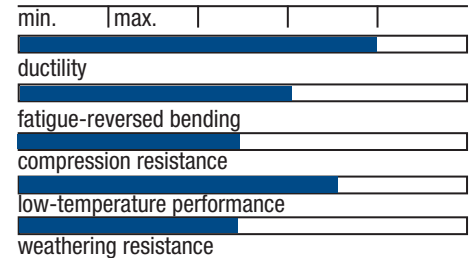
- Use in machine building and equipment
- Outer layer: high-grade, specially formulated polyamide 6
- Inner layer: specially modified polyolefin
- Very long lifetime — more than 20 years
- Excellent cold temperature performance
- Low-friction inner layer facilitates cable insertion
- Very good resistance to ultraviolet rays and atmospheric corrosion
- Very good mechanical strength while simultaneously highly flexible
- Impermeable to water and steam



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
XCYL-12BB	12	16	11.7	15.5	30	50
XCYL-17BB	17	20	15.2	21.0	40	
XCYL-23BB	23	25	21.7	28.4	50	
XCYL-29BB	29	32	27.5	34.3	60	
XCYL-36BB	36	40	35.8	42.2	70	
XCYL-48BB	48	50	46.8	54.3	80	30

For actual cat. number, add PU METER at the end. Example: XCYL-12BB.50

XCYL Index



Temperature range: -40° C to +105° C;
Short term to +160° C

XPCL Highly Flexible, Medium-Duty

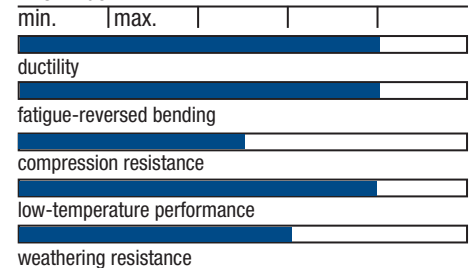
- Use in machine building and equipment with high requirements
- Outer layer: high-grade, specially formulated polyamide 6
- Intermediate layer: special bonding compound
- Inner layer: specially modified polyolefin
- Self extinguishing
- Very long lifetime, 15–20 years for standard applications
- Easy cable insertion, low-friction inner layer
- Impermeable to water and steam
- Excellent flexibility
- Good mechanical strength even at low temperatures and low humidity




Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
XPCL-12BB	XPCL-12SB	12	16	11.8	15.6	30	50
XPCL-17BB	XPCL-17SB	17	20	16.6	21.0	40	50
XPCLG-17BB	XPCLG-17SB	17	20	15.6	20.9	40	50
XPCLG-23BB	XPCLG-23SB	23	25	21.9	28.5	45	50
XPCLG-29BB	XPCLG-29SB	29	32	27.6	34.5	55	50
XPCLG-36BB	XPCLG-36SB	36	40	36.0	42.5	60	30
XPCLG-48BB	XPCLG-48SB	48	50	47.0	54.5	70	30


For actual cat. number, add PU METER at the end. Example: XPCL-12BB.50

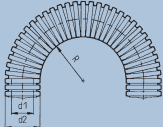
XPCL Index



Temperature range: -50° C to +105° C;
Short term to +160° C

 Fine profile T
Tight bending radius

 Coarse profile G
High pullout strength



***† stat. R = lowest recommended bending radius for static (fixed) installation.

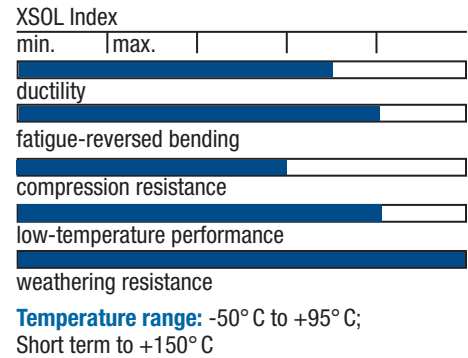
Conduits

XSOL Highly Flexible, Medium-Duty

- All-purpose, especially in long-term external applications, e.g. energy technology, transportation
- Outer layer: high-grade, specially formulated polyamide 12
- Intermediate layer: special bonding compound
- Inner layer: high-grade, specially modified polyamide 6
- Very long lifetime, up to 20–30 years
- Very high flexibility
- Very good mechanical strength
- High impact resistance at low temperature and humidity
- Excellent fire safety characteristics
- Excellent chemical resistance
- Free from halogens and cadmium



Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
XSOLT-12BG	12	16	11.8	15.6	50	50
XSOLG-17BG	17	20	15.2	21.0		
XSOLG-23BG	23	25	22.0	28.5		
XSOLG-29BG	29	32	27.5	34.5		
XSOLG-36BG	36	40	35.8	42.5	30	30
XSOLG-48BG	48	50	46.8	54.5		



XSOLL Highly Flexible, Medium-Duty

- All-purpose, especially in long-term external applications, e.g. energy technology, transportation, etc.
- Outer layer: high-grade, specially formulated polyamide 12
- Intermediate layer: special bonding compound
- Inner layer: high-grade, specially modified polyamide 6
- Very long lifetime — greater than 20 years
- Very good resistance to UV and weathering
- High flexibility and very good mechanical strength
- High impact resistance at low temperature and humidity
- Good fire safety characteristics
- Excellent chemical resistance
- Free from halogens and cadmium



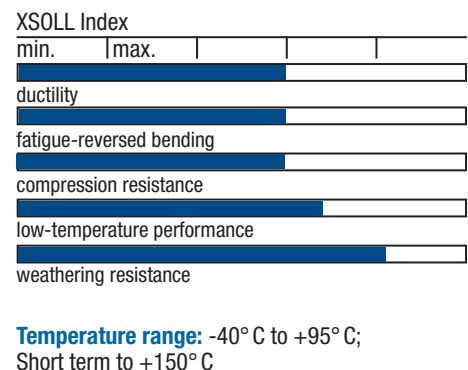
Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
XSOLLT-12BG	12	16	11.8	15.8	50	50
XSOLLG-17BG	17	20	15.2	21.2		
XSOLLG-23BG	23	25	22.0	28.5		
XSOLLG-29BG	29	32	27.7	34.4		
XSOLLG-36BG	36	40	35.8	42.4	30	30
XSOLLG-48BG	48	50	46.8	54.4		

For actual cat. number, add PU METER at the end. Example: XSOLLT-12BG.50

Fine profile T
Tight bending radius

Coarse profile G
High pullout strength

**† stat. R = lowest recommended bending radius for static (fixed) installation.



Conduits

XVCS1H Flexible, Heavy-Duty

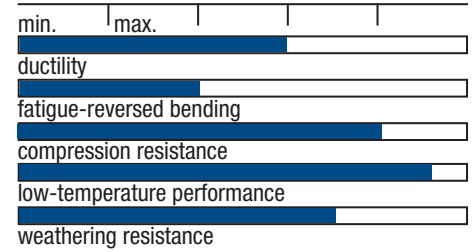
- Use in track side applications
- Outer layer: high-grade, specially formulated polyamide 6
- Inner layer: specially modified polyolefin
- High conduit ductility and formability enable easy installation
- Very long lifetime — greater than 20 years
- Excellent cold temperature performance
- Low friction inner layer facilitates cable insertion
- Very good resistance to ultraviolet rays and atmospheric corrosion
- Very good mechanical strength while simultaneously highly flexible
- Impermeable to water and steam




Cat. No. Black	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
XVCS1H-12BG†	12	16	11.7	15.5	30	50
XVCS1H-17BG	17	20	15.2	21.0	40	
XVCS1H-23BG	23	25	21.7	28.4	50	
XVCS1H-29BG	29	32	27.5	34.3	60	
XVCS1H-36BG	36	40	35.8	42.2	70	30
XVCS1H-48BG	48	50	46.8	54.3	80	

† XVCS1H-12BG is not a UL Recognized Component.
For actual cat. number, add PU METER at the end. Example: XVCS1H-12BG.50


XVCS1H Index



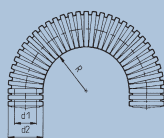
Temperature range: -50° C to +90° C;
Short term to +120° C



Fine profile T
Tight bending radius



Coarse profile G
High pullout strength



**† stat. R = lowest recommended bending radius for static (fixed) installation.

Conduits

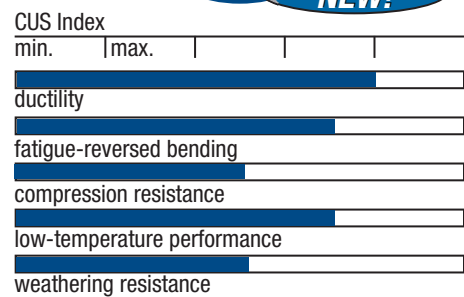
CUS Flexible, Heavy

- Use in machine building and in electrical installations
- High-grade, specially modified polyamide 6
- Cost effective
- Very good flexibility
- Good impact strength also at low temperatures and dry conditions
- Self extinguishing
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
CUSG-17B	CUSG-17S	17	20	16.2	21.2	40	31
CUSG-23B	CUSG-23S	23	25	21.9	28.5	45	
CUSG-29B	CUSG-29S	29	32	27.6	34.4	55	
CUSG-36B	CUSG-36S	36	40	36.0	42.4	60	
CUSG-48B	CUSG-48S	48	50	47.0	54.4	70	

For actual cat. number, add PU METER at the end. Example: CUSG-17B.31



Temperature range: -40° C to 105° C;
Short term to 160° C

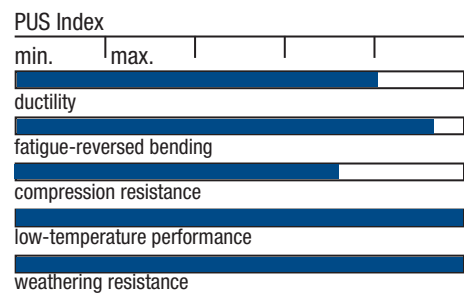
PUS Very Flexible, Heavy

- Use in long-term external and dynamic applications, like solar systems, signalling, CCTV
- High-grade, specially modified polyamide 12
- Excellent resistance to ultraviolet rays and atmospheric corrosion
- Excellent flexibility and is self extinguishing
- Good mechanical strength at low temperatures and dry conditions
- Free from halogens and cadmium




Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat./DYN Radius* (mm)	PU Meter
PUSG-17B	PUSG-17S	17	20	15.2	21.2	35/85	31
PUSG-23B	PUSG-23S	23	25	22.0	28.5	40/110	
PUSG-29B	PUSG-29S	29	32	27.7	34.4	50/130	
PUSG-36B	PUSG-36S	36	40	35.8	42.4	60/180	
PUSG-48B	PUSG-48S	48	50	46.8	54.4	70/220	

For actual cat. number, add PU METER at the end. Example: PUSG-17B.31




Temperature range: -50° C to 95° C;
Short term to 150° C

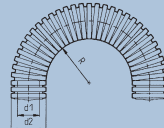
Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.



Fine profile T
Tight bending radius



Coarse profile G
High pullout strength



**† stat. R = lowest recommended bending radius for static (fixed) installation.

Conduits

VUS Flexible, Heavy

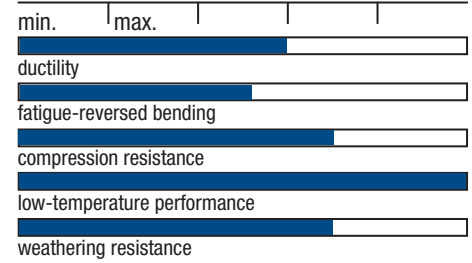
- Meet high requirements in machine building and plant construction
- Use where high compression resistance is required
- Great for external applications
- High-grade, specially modified polyamide 6
- Very good resistance to ultraviolet rays and weathering
- Good flexibility and self-extinguishing
- High mechanical strength at low temperatures and low humidity
- Free from halogens and cadmium



Cat. No. Black	Cat. No. Grey	Conduit Size NW	Conduit Size Metric	Inside Diameter (mm)	Outside Diameter (mm)	Stat. Radius* (mm)	PU Meter
VUSG-17B	VUSG-17S	17	20	15.2	21.2	40	31
VUSG-23B	VUSG-23S	23	25	22.0	28.5	50	
VUSG-29B	VUSG-29S	29	32	27.7	34.4	60	
VUSG-36B	VUSG-36S	36	40	35.8	42.4	70	
VUSG-48B	VUSG-48S	48	50	46.8	54.4	80	


For actual cat. number, add PU METER at the end. Example: VUSG-17B.31


VUS Index

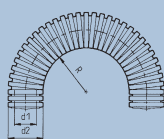


Temperature range: -50° C to 105° C;
Short term to 160° C

Chemical resistance: Fuels, mineral oils, fats, alkalies, weak acids, etc.

 Fine profile T
Tight bending radius

 Coarse profile G
High pullout strength



***† stat. R = lowest recommended bending radius for static (fixed) installation.