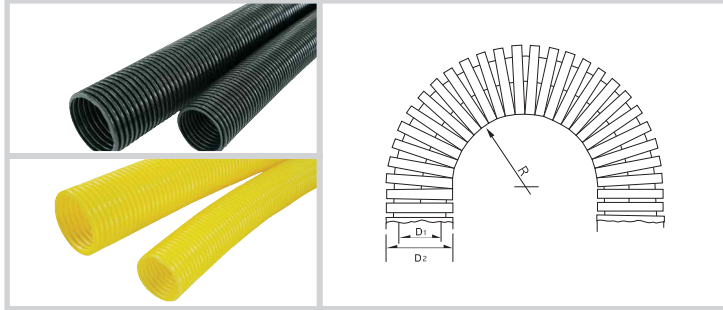


## » CPSFLEX®-PAM, PAR Specification

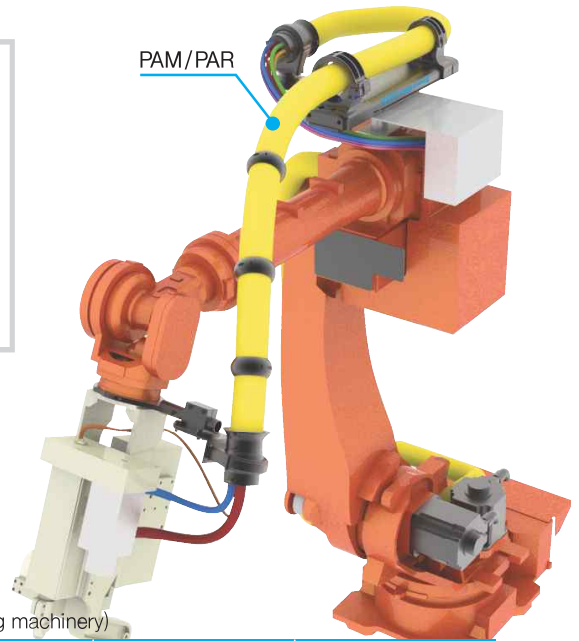
PAM is the highest quality of corrugated tube only for robots.  
PAR is corrugated for robots and rotating machinery.



- Material : High Quality Polyamide 11/12 (PAM)  
: High Quality Polyamide 12 (PAR)
- Construction : Inside & Outside Corrugated Plastic Hose
- Degrees of Protection : IP 68
- The max, Instantaneous Temperature : -50°C to +95°C
- Short Term : up to +150°C
- Self-Extinguishing : UL94-V2, Halogen-Free
- Color : Black & Yellow
- Connections : Roboway, Robo-kit, CPSFIX
- Application : Robots (Welding robot, Handling robot, Rotating machinery)

Black	Yellow	Inner Diameter (D1)	Outer Diameter (D2)	Bending Radius (R)mm ±10%	Packing meter / roll
PAM / PAR-22B	PAM / PAR-22Y	21,7	28,5	45	50
PAM / PAR-28B	PAM / PAR-28Y	27,8	34,5	55	50
PAM / PAR-36B	PAM / PAR-36Y	36,0	42,5	60	30
PAM / PAR-48B	PAM / PAR-48Y	46,5	54,5	70	30
PAM / PAR-56B	PAM / PAR-56Y	56,3	67,2	110	30
PAM / PAR-70B	PAM / PAR-70Y	70,0	82,5	160	10

(Dimensions in mm)



## » CPSFLEX®-PAM Ordering ※ Please refer to page K-13 and K-14 more detail.

**PAM - 70Y : 10M**



## » NORFLEX®-PUR Tube



- Material : Smooth interior and exterior; wall: special premium polyurethane(Pre-PUR®)
- Properties : Fabric reinforced / highly abrasion-proof  
Highly flexible / crush resistant  
Good resistance to oil, gasoline and chemicals  
Comform to RoHs guideline
- Color : Transparent, Blue, Gray, Black, Red, Green, Yellow  
( TR, BL, GR, BK, RE, GN, YE )
- Application : Suitable to apply at industrial robot, automatic welding facility, especially it has resistance at hot spot welding flame and very suitable to apply at injection molding as a high pressure air or cooling water hose and also some other place need flexible and high anti-abrasion.

Inner Diameter (in/mm)	Outer Diameter (mm)	min, Burst Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Packing (m/roll)
3/8" (9,4)	16,0	80	55,3	0,153	50
1/2" (12,8)	19,5	80	68,8	0,230	50

## » NORFLEX® Ordering

**PUR - 9,4 BK : 50M**

