# FLC Round Flange Flexible Connector

The turned-out sleeve ends are compressed between the flange plates. The catalog describes this connector for equipment points that require reliable sealing and infrequent disassembly.



## Features

- Round turned-out flange ends
- Bolted flange plates at both ends

## PU10

| | |
|---|---|
| Material | Polyurethane |
| Typical application | Most common materials |
| Color | Clear |
| Thickness (mm) | 1.0 |
| Abrasion loss (mg) | 39.0 |
| Surface resistance (Ω) | $>10^{12}$ |
| Temperature resistance (°C) | –20 to 110 |
| Air permeable | No |
| Tensile strength (MPa) | 40 |
| Elongation at break (%) | 600 |
| Manufacturing process | Heat welded |

## PUHT

| | |
|---|---|
| Material | Heat-resistant polyurethane |
| Typical application | High temperature |
| Color | Clear |
| Thickness (mm) | 1.0 |
| Abrasion loss (mg) | 35.0 |
| Surface resistance (Ω) | $>10^{12}$ |
| Temperature resistance (°C) | –20 to 150 |
| Air permeable | No |
| Tensile strength (MPa) | 40 |
| Elongation at break (%) | 600 |
| Manufacturing process | Heat welded |

## PUAS

| | |
|---|---|
| Material | Antistatic polyurethane |
| Typical application | Flammable or explosive powders (catalog material application) |
| Color | Clear |
| Thickness (mm) | 1.0 |
| Abrasion loss (mg) | 39.0 |
| Surface resistance (Ω) | <10■ |
| Temperature resistance (°C) | –20 to 110 |
| Air permeable | No |
| Tensile strength (MPa) | 15 |
| Elongation at break (%) | 600 |
| Manufacturing process | Heat welded |

## PURF

| | |
|---|---|
| Material | Fiber-reinforced polyurethane |
| Typical application | Positive or negative pressure |
| Color | White |
| Thickness (mm) | 0.8 |
| Abrasion loss (mg) | 39.0 |
| Surface resistance (Ω) | $>10^{12}$ |
| Temperature resistance (°C) | –20 to 110 |
| Air permeable | No |
| Tensile strength (MPa) | 300 |
| Elongation at break (%) | 600 |
| Manufacturing process | Heat welded |

## PUFL

| | |
|---|---|
| Material | Polyurethane with helical steel wire |
| Typical application | Large oscillations and stroke-docking mechanisms |
| Color | Translucent white |
| Thickness (mm) | 0.6 |
| Abrasion loss (mg) | 35.0 |
| Surface resistance (Ω) | $>10^{12}$ |
| Temperature resistance (°C) | –20 to 110 |
| Air permeable | No |
| Tensile strength (MPa) | 40 |
| Elongation at break (%) | 600 |
| Manufacturing process | Heat welded |

## TE02

| | |
|---|---|
| Material | 100% PTFE |
| Typical application | Corrosive acid or alkaline solvents and high temperature |
| Color | White |
| Thickness (mm) | 0.2 |
| Surface resistance (Ω) | $>10^{12}$ |
| Temperature resistance (°C) | –40 to 300 |
| Air permeable | No |
| Elongation at break (%) | 10 |
| Manufacturing process | Heat welded |

## TE02AS

| | |
|---|---|
| Material | 100% PTFE |
| Typical application | Corrosive acid or alkaline solvents and high temperature |
| Color | Black |
| Thickness (mm) | 0.2 |
| Surface resistance (Ω) | <10■ |
| Temperature resistance (°C) | –40 to 300 |
| Air permeable | No |
| Elongation at break (%) | 10 |
| Manufacturing process | Heat welded |

## Options and configuration

Custom dimensions to match the equipment interface.