

PRODUCT BROCHURES



RTD extension cable

Insulation Material : Teflon FEP, PFA, Fiberglass, PVC
Silicone Rubber, Kapton, High silica



CHANGZHOU YIYUAN HIGH TEMPERATURE CABLE CO.,LTD.

WWW.YIYUANCABLE.COM

Company Introduction

Established at 2010 year Changzhou YiYuan High Temperature Cable Co., Ltd. focus on the production of temperature wire and cable including Thermocouple wire and cable,RTD sensor extension wire and cable.

We became a famous company supplier of thermocouple wire and RTD sensor extension wire at 2012 year. After ten years development we have exported many cables around the world including Canada, Italy, India, Malaysia, Iran, Israel, Russia, Singapore, South africa, Turkey, Ghana, etc.

Except thermocouple wire and cable, RTD sensor wire and cable we still produce many other Customized wire and cable according to customers' requirement including high temperature wire and cable (nickel conductor), Teflon insulated wire, silicone insulated wire, underfloor Heating cable, Fire resistant cable, etc.

Products are conformed to IEC,ANSI & JIS standards.

With on-time delivery, smart logistics and excellent quality, Yiyuan strives to be a trustworthy partner for industries where temperature is key focus.

Guidelines

We continuously aim to improve our processes, and products quality.

We continuously aim to improve our after-sale service.

We strive to become and remain a preferred supplier to our customers.

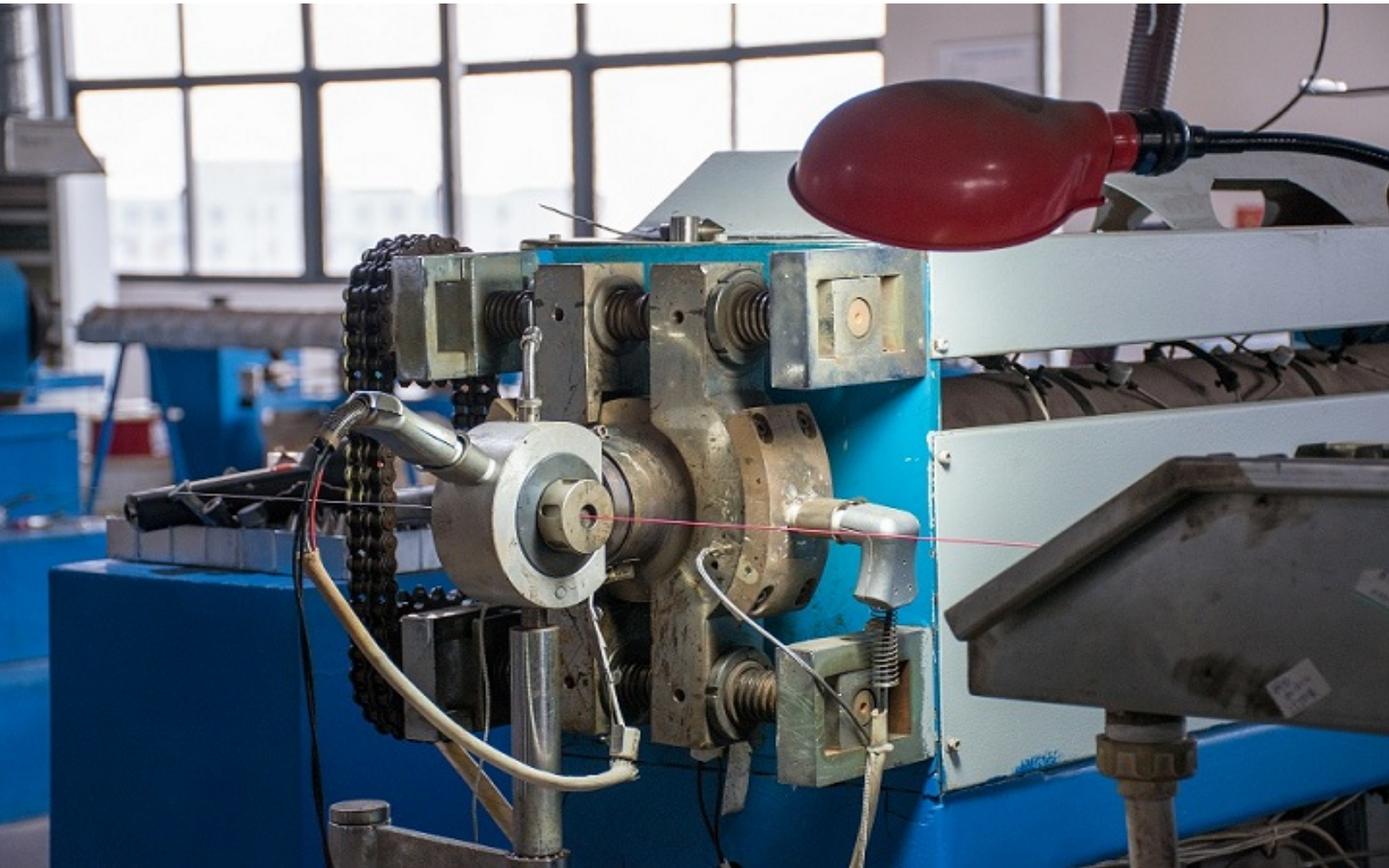
We are continuously developing the knowledge and skills of our employees through training .





PRODUCTION EQUIPMENT





Advanced production equipment, sophisticated production line ensure the stability and reliability of the products. Relying on the core technology to creat brand products.



Description of RTD sensor and RTD extension cable

An **RTD(Resistance temperature detectors)** is a **temperature sensor** which measures temperature that the resistance of a metal changes with temperature. Actually, an electrical current is transmitted through a piece of metal (the RTD element or resistor) located in close to the area where temperature is to be measured. The resistance value of the RTD element is then measured by an instrument. This resistance value is then correlated to temperature based upon the known resistance characteristics of the RTD element.

Yiyuan offer wide range of **RTD extension cables** with variety of insulation PVC, FEP, PFA, Silicone Rubber, Fiber glass, polyimide, etc. Generally copper instrumentation cables are used to interconnecting RTD sensors with your process instrumentation. Resistance in all wires in RTD cables remain almost same to get the best results.



Yiyuan RTD extension wire Mfr. Model

Model	Description	Temperature
GG	Fiberglass insulation + Fiberglass out sheath	400°C
GGB	Fiberglass insulation + Fiberglass out sheath+ SSB braid	400°C
F	Teflon FEP insulation	200°C
FF	Teflon FEP insulation with FEP out sheath	200°C
FTF	Teflon FEP + Copper tinned thread braid + FEP out sheath	200°C
FBF	Teflon FEP + SSB + FEP out sheath	200°C
FSF	Teflon FEP + Silver plated copper thread braid + FEP out sheath	200°C
FFB	Teflon FEP + FEP out sheath+ SSB braid	200°C
PP	Teflon PFA insulation with PFA out sheath	260°C
PAP	Teflon PFA + Al-foil + PFA out sheath	260°C
PTP	Teflon PFA + Copper tinned thread braid + PFA out sheath	260°C
PPTP	Teflon PFA + PFA+ Copper tinned thread braid + PFA	260°C
PBP	Teflon PFA + SSB + PFA out sheath	260°C
PPB	Teflon PFA + PFA out sheath+ SSB braid	260°C
VV	PVC insulation + PVC out sheath	105°C
FV	Teflon FEP+ PVC out sheath	105°C
VVB	PVC insulation + PVC out sheath+ SSB braid	105°C
XX	Silicone rubber insulation + Silicone rubber out sheath	180°C
XBX	Silicone rubber insulation + SSB+ Silicone rubber out sheath	180°C
FX	Teflon FEP +Silicone rubber out sheath	180°C
PX	Teflon PFA +Silicone rubber out sheath	180°C
KK	Kapton insulation + Kapton insulation	260°C
HH	High silica insulation + High silica out sheath	800°C

PRODUCT INDEX

Teflon FEP insulated
Max operating temperature 200°C

Model no.:

- > F (FEP)
- > FF (FEP+ FEP)
- > FTF (FEP+ Copper tinned thread braid +FEP)
- > FSF (FEP+ Silver plated copper thread braid + FEP)
- > FBF (FEP+ SSB+ FEP)
- > FFB (FEP+ FEP+ SSB)
- > FBV (FEP+ SSB+ PVC)

Fiberglass insulated
Max operating temperature 400°C

Model no.:

- > GG (Fiberglass + Fiberglass)
- > GGB (Fiberglass + Fiberglass + SSB)

Teflon + Silicone insulated
Max operating temperature 200°C

Model no.:

- > FX (FEP + Silicone)
- > PX (PFA+ Silicone)
- > XX (Silicone + Silicone)
- > XBX (Silicone + SSB + Silicone)

High silica insulated
Max operating temperature 800°C

Model no.:

- > HH (High silica + High silica)

Teflon PFA insulated
Max operating temperature 260°C

Model no.:

- > PP (PFA+ PFA)
- > PAP (PFA + AL-foil + PFA)
- > PTP (PFA+ Copper tinned thread braid + PFA)
- > PPTP (PFA+ PFA) +Copper tinned thread braid + PFA)
- > PPB (PFA+ PFA+ SSB)
- > PBP (PFA + SSB + PFA)
- > PGB (PFA + Fiberglass+SSB)

PVC insulated
Max operating temperature 105°C

Model no.:

- > VV (PVC+ PVC)
- > FV (FEP+ PVC)
- > VVB (PVC+ PVC+ SSB)

Kapton insulated
Max operating temperature 260°C

Model no.:

- >KK (Kapton + Kapton)

Others

Model no.:

- > PGB (PFA + Fiberglass + SSB)
- > FBV (FEP +SSB + PVC)

Product Model No. > Teflon FEP insulated > FF (FEP+FEP)

MODEL NO.: F



Temperature range

from – 200°C to + 200°C

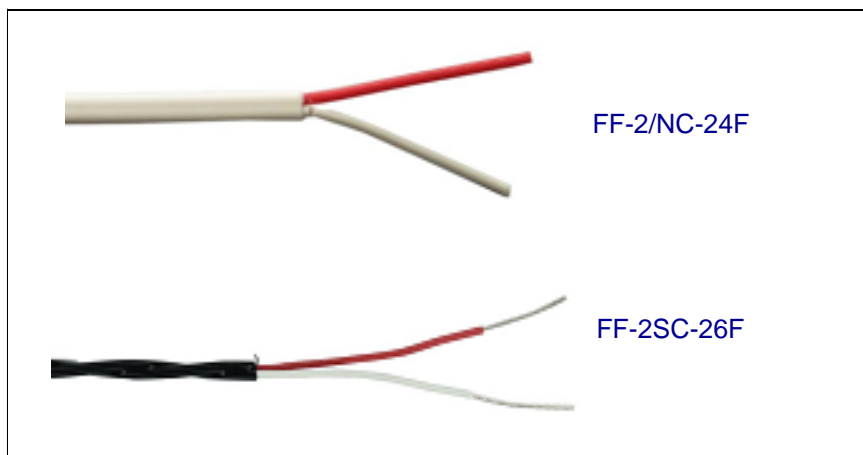
Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

Insulation Design

- 1. Teflon FEP insulation (F)

MODEL NO.: FF



Temperature range

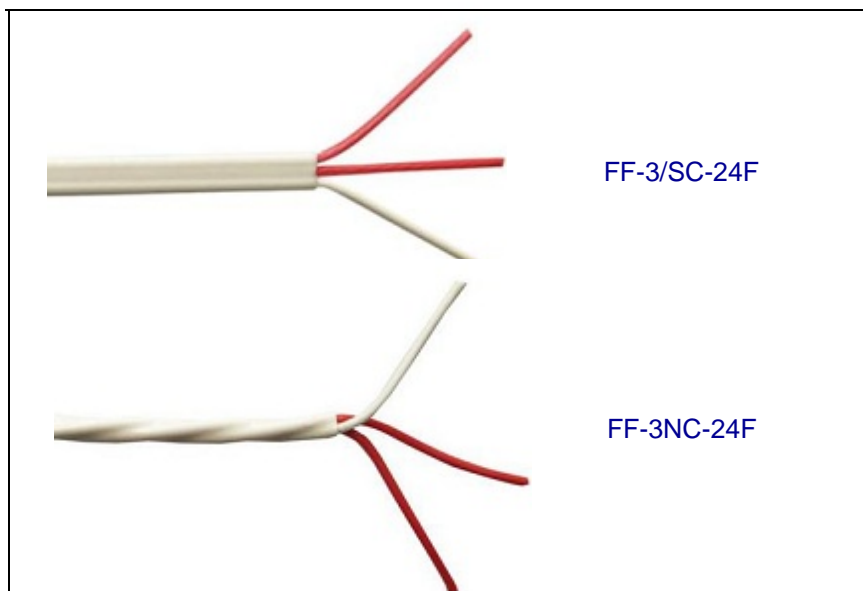
from – 200°C to + 200°C

Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

Insulation Design

Teflon FEP(F) + Teflon FEP(F)

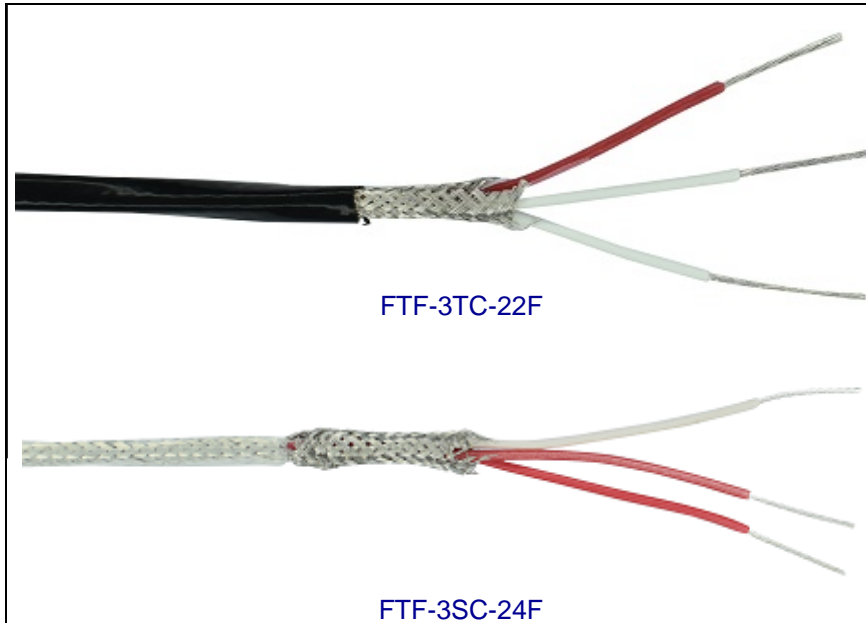


Customized multicores are available

1 core ,2 cores, 3 cores, 4 cores, 5 cores
6 cores, 7 cores, 8 cores, etc.

Product Model No. > Teflon FEP insulated > FTF(FEP + Copper tinned thread braid + FEP)

MODEL NO.: FTF



Temperature range

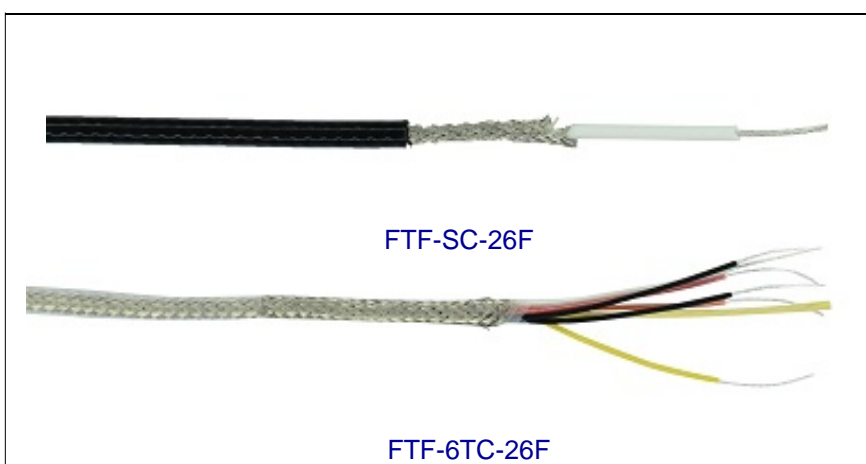
from – 200°C to + 200°C

Conductor Materials

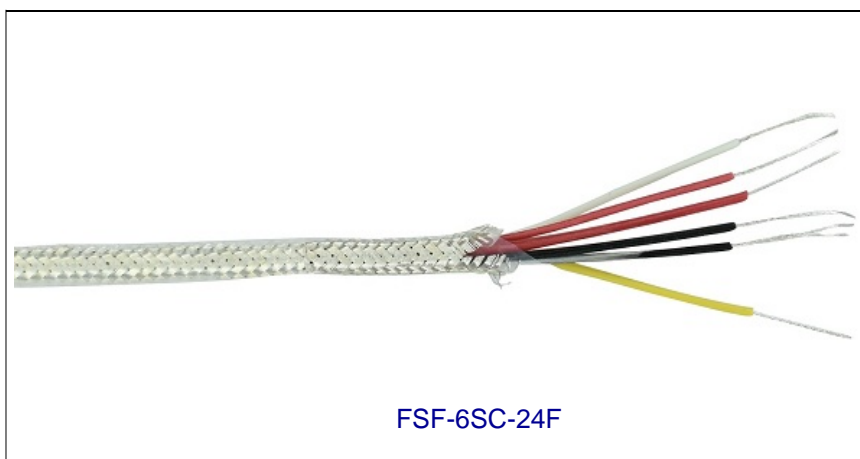
- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

Insulation Design

- 1. Teflon FEP insulation (F)
- 2. Copper tinned thread braid (T)
- 3. Teflon FEP insulated (F)



MODEL NO.: FSF



Insulation Design

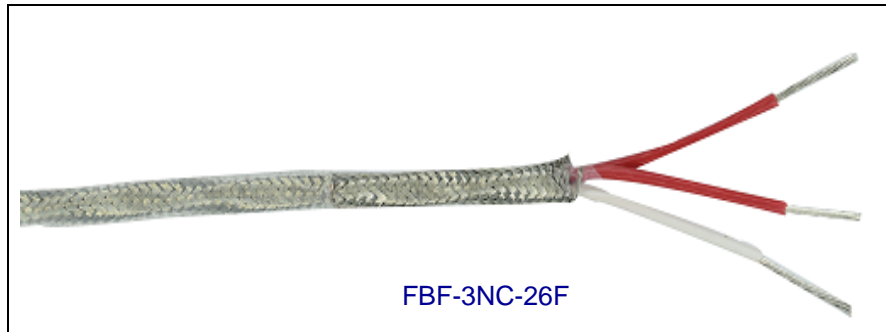
- 1. Teflon FEP insulation (F)
- 2. SPC-Silver plated copper thread braid (S)
- 3. Teflon FEP insulated (F)

Customized multicores are available

1 core ,2 cores, 3 cores, 4 cores, 5 cores
6 cores, 7 cores, 8 cores, etc.

Product Model No. > Teflon FEP insulated > FBF + FFB + FBV

MODEL NO.: FBF



Temperature range

from – 200°C to + 200°C

Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper



Insulation Design

1. Teflon FEP insulation (F)
2. SSB-Stainless steel braid (B)
3. Teflon FEP insulated (F)

MODEL NO.: FFB



Insulation Design

1. Teflon FEP insulation (F)
2. Teflon FEP insulated (F)
3. SSB-Stainless steel braid (B)

MODEL NO.: FBV



Insulation Design

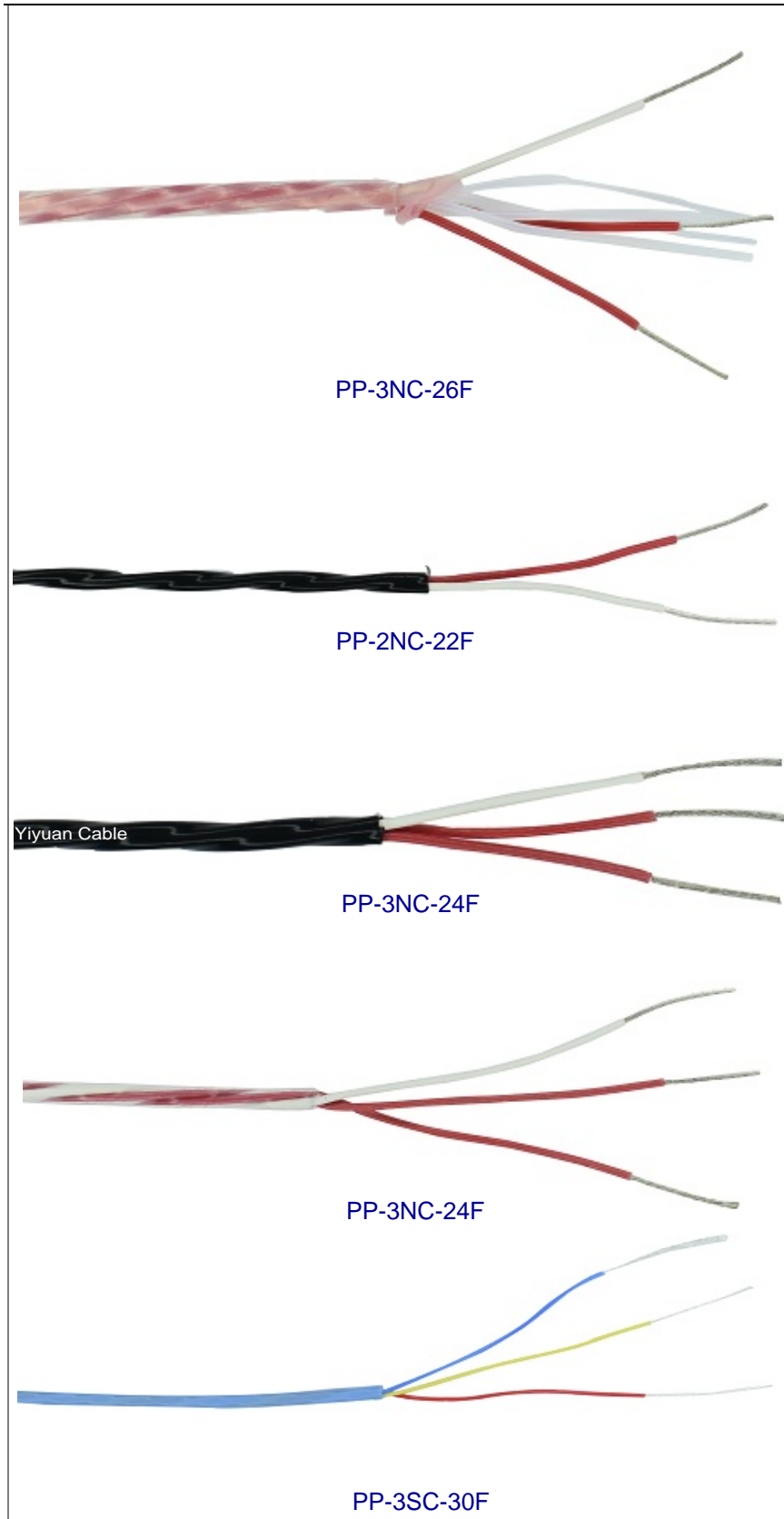
1. Teflon FEP insulation (F)
2. Teflon FEP insulated (F)
3. SSB-Stainless steel braid (B)

Customized multicores are available

1 core ,2 cores, 3 cores, 4 cores, 5 cores
6 cores, 7 cores, 8 cores, etc.

Product Model No. > Teflon PFA insulated

MODEL NO.: PP



Insulation Design

1. Teflon PFA insulation (P)
2. Teflon PFA insulation (P)

Temperature range

from – 200°C to + 260°C

Conductor Materials

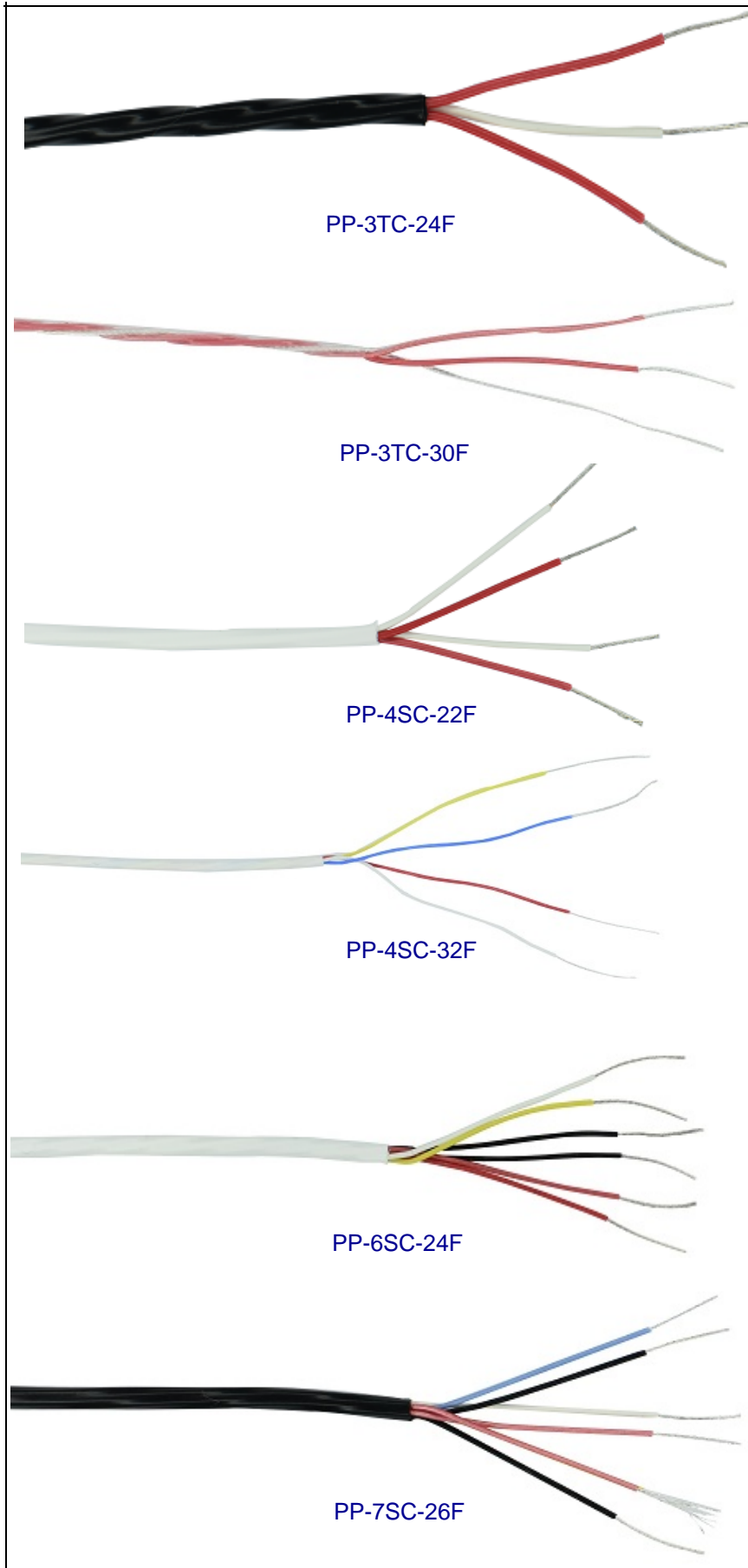
- 1: TC-Tinned copper
- 2: NC-Nickel plated copper
- 3: SC-Silver plated copper

Customized multicores are available

1 core ,2 cores, 3 cores, 4 cores, 5 cores
6 cores, 7 cores, 8 cores, etc.

Product Model No. > Teflon PFA insulated

MODEL NO.: PP



Insulation Design

1. TeflonPFA insulation (P)
2. Teflon PFA insulation (P)

Temperature range

from – 200°C to + 260°C

Conductor Materials

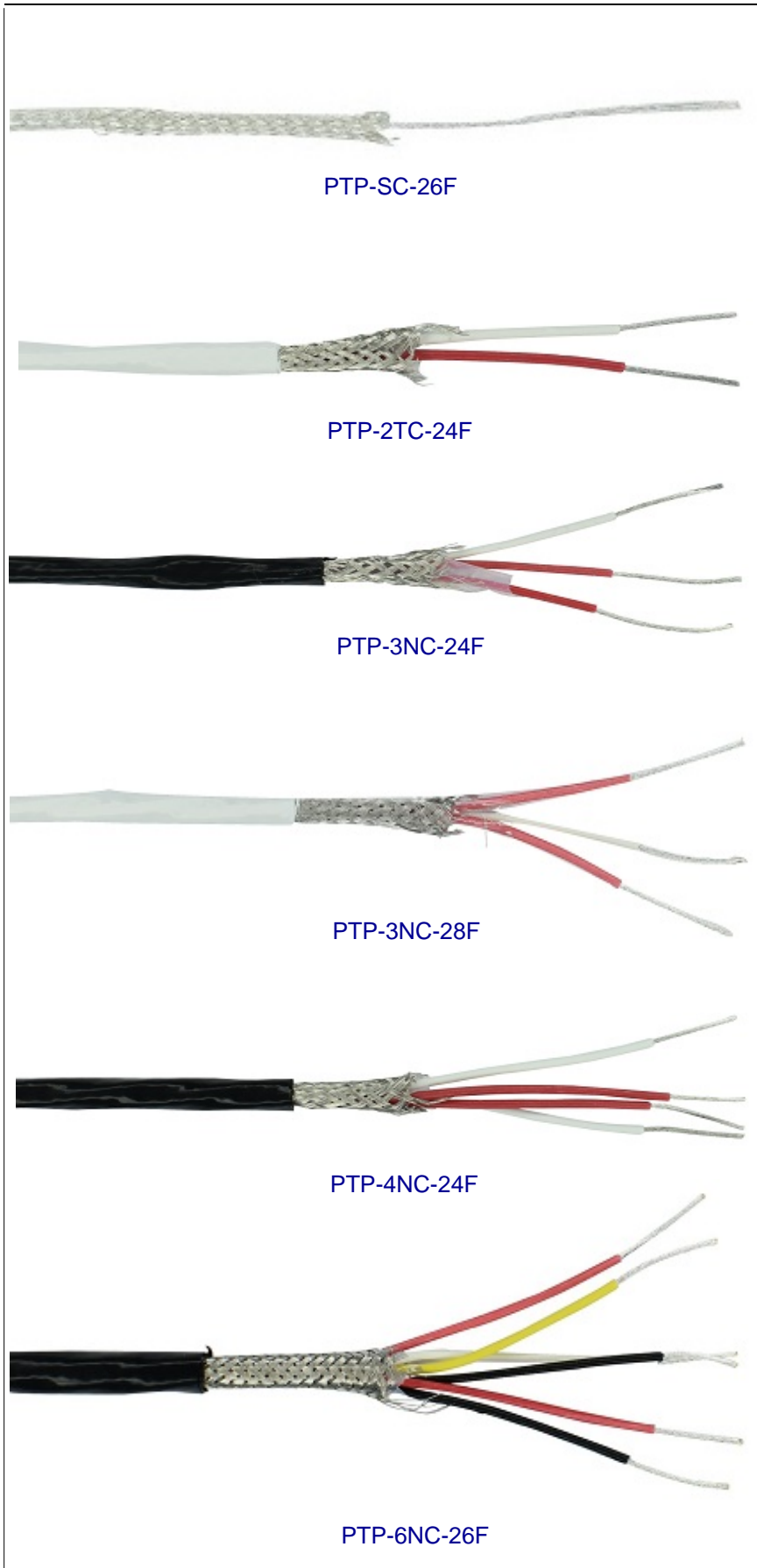
- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

Customized multicores are available

1 core ,2 cores, 3 cores, 4 cores, 5 cores
6 cores, 7 cores, 8 cores, etc.

Product Model No. > Teflon PFA insulated

MODEL NO.: PTP



Technical Data

Temperature limit of the insulation
from – 200°C to + 260°C

Insulation Design

1. Teflon PFA insulation (P)
2. Copper tinned thread braid (T)
3. Teflon PFA insulated (P)

Conductor Materials

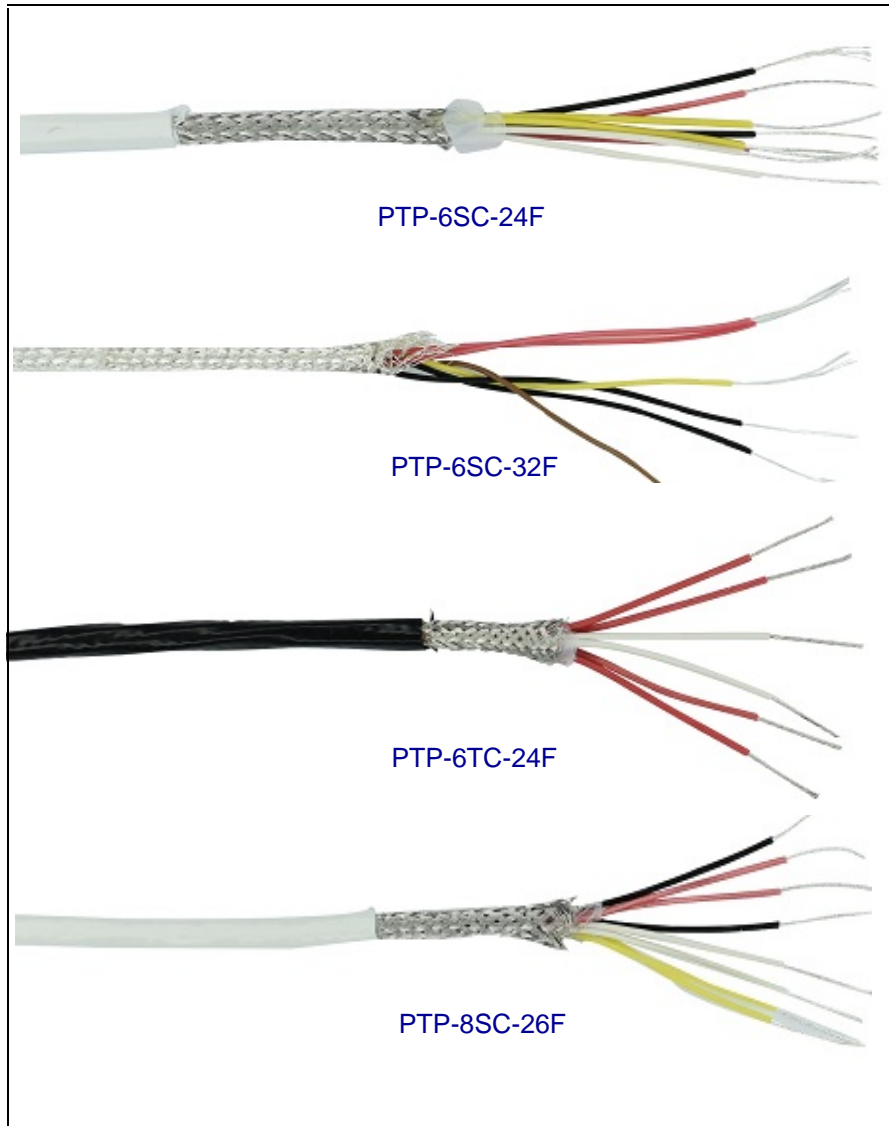
- 1: TC-Tinned copper
- 2: NC-Nickel plated copper
- 3: SC-Silver plated copper

Customized multicores are available

1 core ,2 cores, 3 cores, 4 cores, 5 cores
6 cores, 7 cores, 8 cores, etc.

Product Model No. > Teflon PFA insulated

MODEL NO.: PTP



Technical Data

Temperature limit of the insulation
from – 200°C to + 260°C

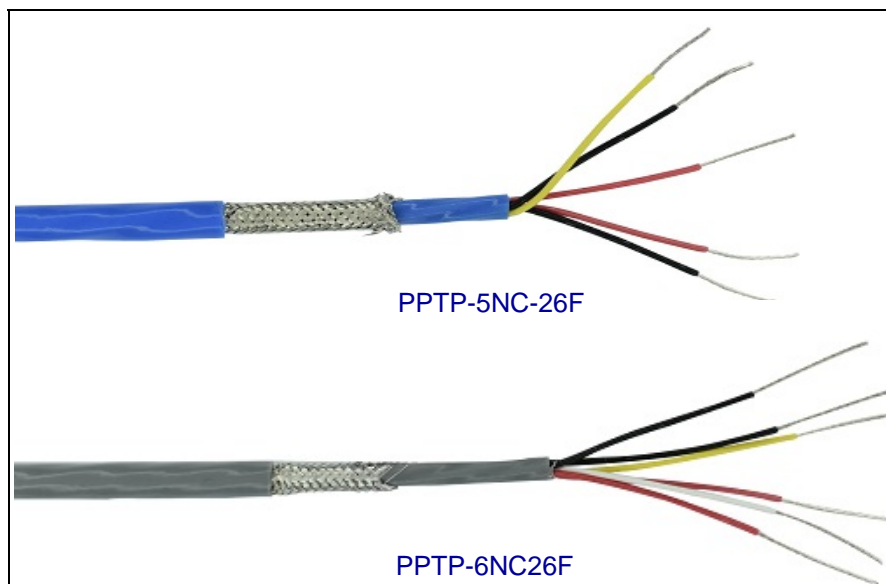
Insulation Design

1. Teflon PFA insulation (P)
2. Copper tinned thread braid (T)
3. Teflon PFA insulated (P)

Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

MODEL NO.: PPTP



Technical Data

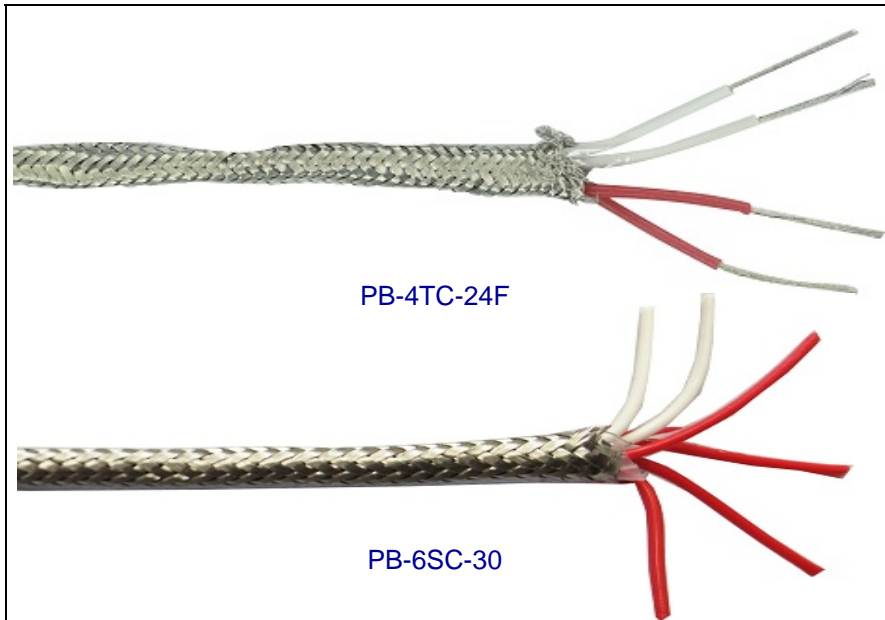
Temperature limit of the insulation
from – 200°C to + 260°C

Insulation Design

1. Teflon PFA insulation (P)
2. Teflon PFA insulated (P)
3. Copper tinned thread braid (T)
4. Teflon PFA insulated (P)

Product Model No. > Teflon PFA insulated

MODEL NO.: PB



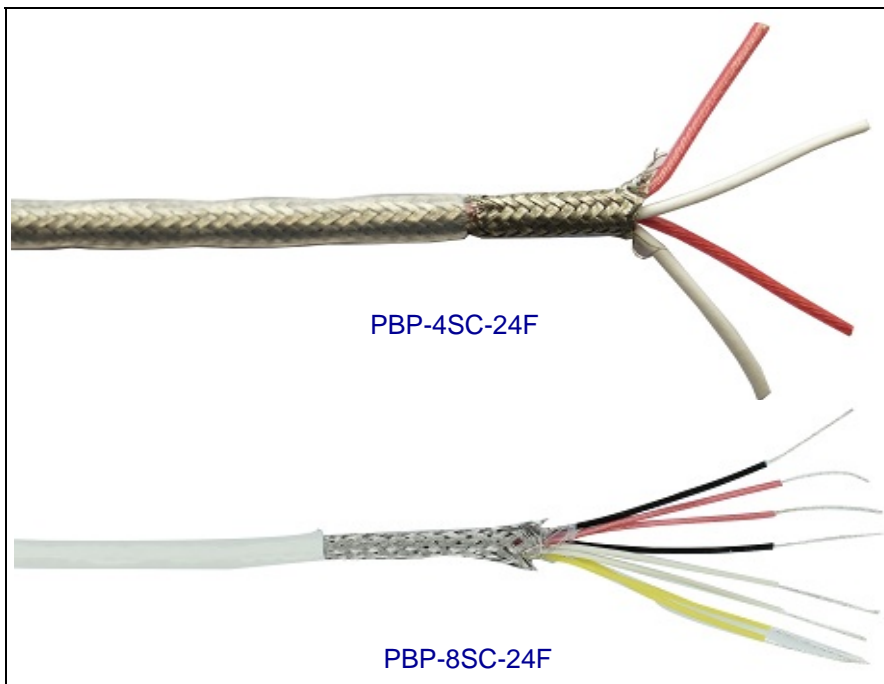
Technical Data

Temperature limit of the insulation
from – 200°C to + 260°C

Insulation Design

1. Teflon PFA insulation (P)
2. SSB-Stainless steel braid (B)

MODEL NO.: PBP



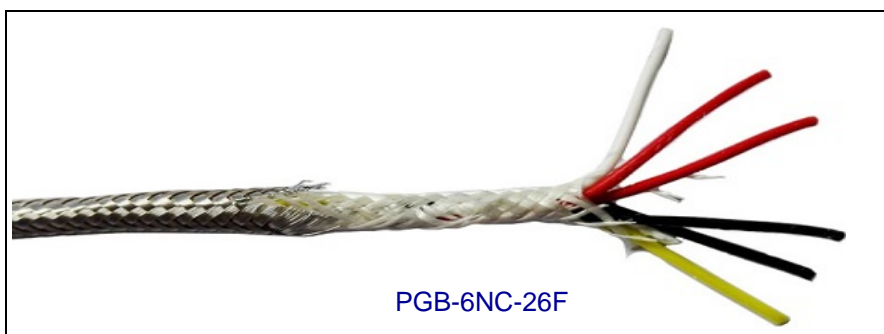
Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

Insulation Design

1. Teflon PFA insulation (P)
2. SSB-Stainless steel braid (B)
3. Teflon PFA insulation (P)

MODEL NO.: PGB

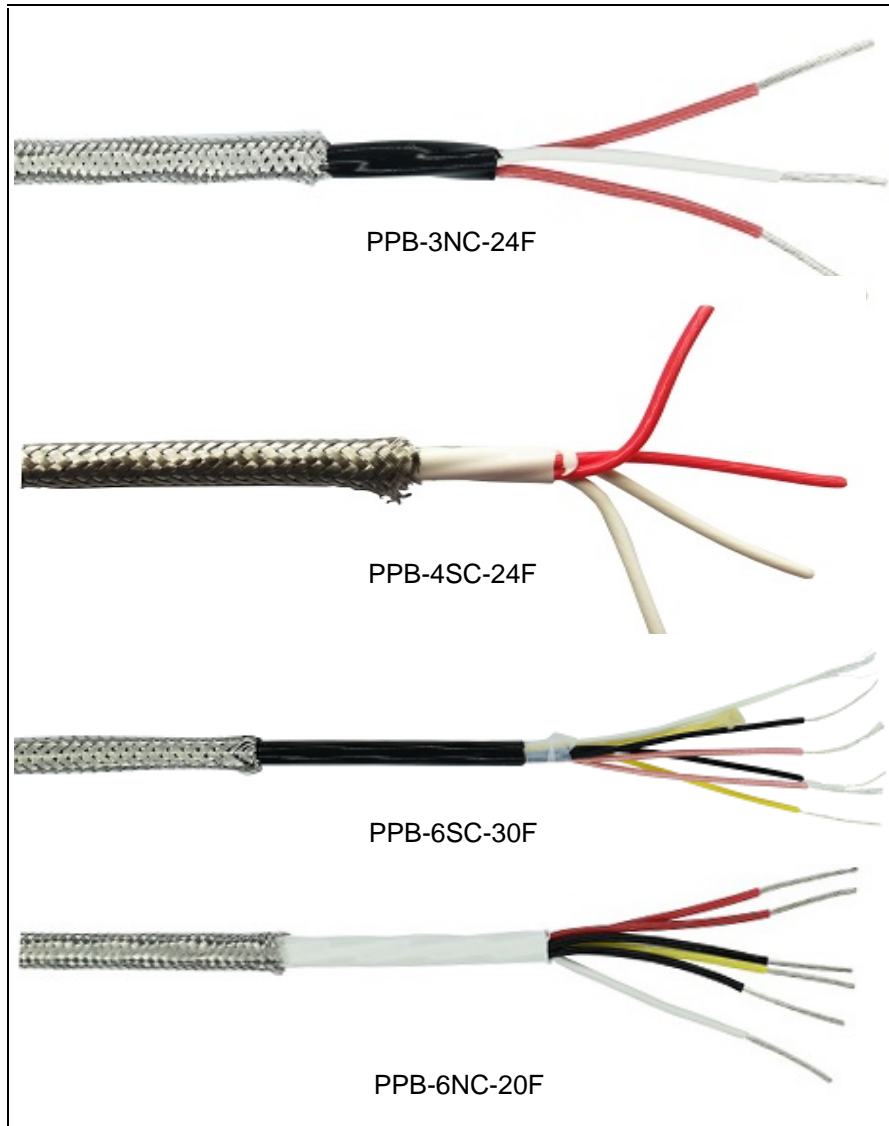


Insulation Design

1. Teflon PFA insulation (P)
2. Fiberglass insulated (G)
3. SSB-Stainless steel braid (B)

Product Model No. > Teflon PFA insulated

MODEL NO.: PPB



Technical Data

Temperature limit of the insulation
from – 200°C to + 260°C

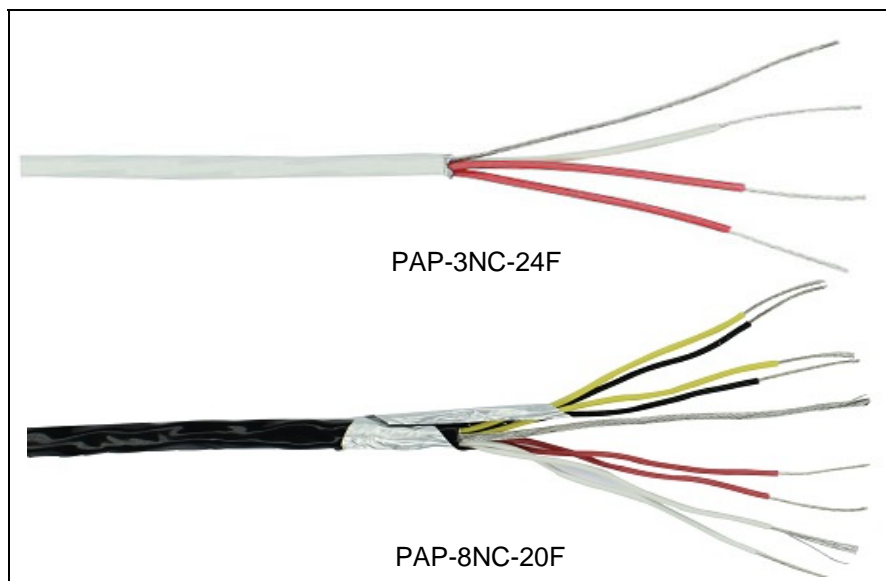
Insulation Design

1. Teflon PFA insulation (P)
2. Teflon PFA insulated (P)
3. SSB-Stainless steel braid (B)

Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

MODEL NO.: PAP



Technical Data

Temperature limit of the insulation
from – 200°C to + 260°C

Insulation Design

1. Teflon PFA insulation (P)
2. Al-PET wrapping(A)
3. With bare copper-tinned earth wire
4. Teflon PFA insulated (P)

Product Model No. > Fiberglass insulated

MODEL NO.: GG



Insulation Design

1. Fiberglass insulated (G)
2. Fiberglass insulated (G)

Temperature range

from 0°C to + 400°C

Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper



MODEL NO.: GGB



Insulation Design

1. Fiberglass insulated (G)
2. Fiberglass insulated (G)
3. Stainless steel braid (B)

Product Model No. > Silicone insulated

MODEL NO.: XBX



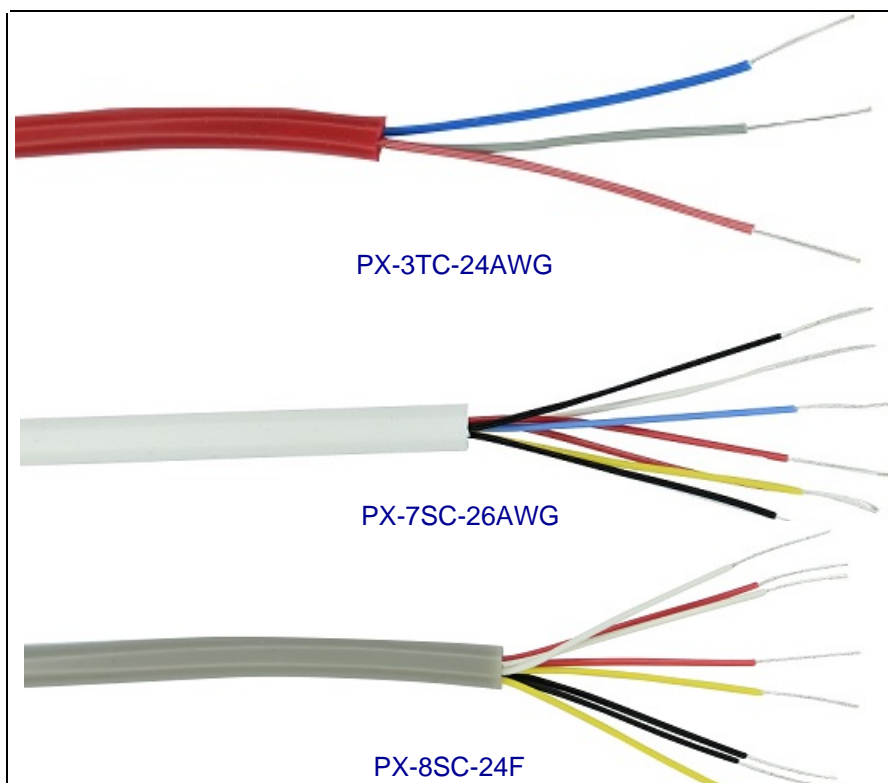
Temperature range

from – 55°C to + 180 °C

Insulation Design

1. Silicone Rubber insulated (X)
2. Stainless steel braid (B)
3. Silicone Rubber insulated (X)

MODEL NO.: PX



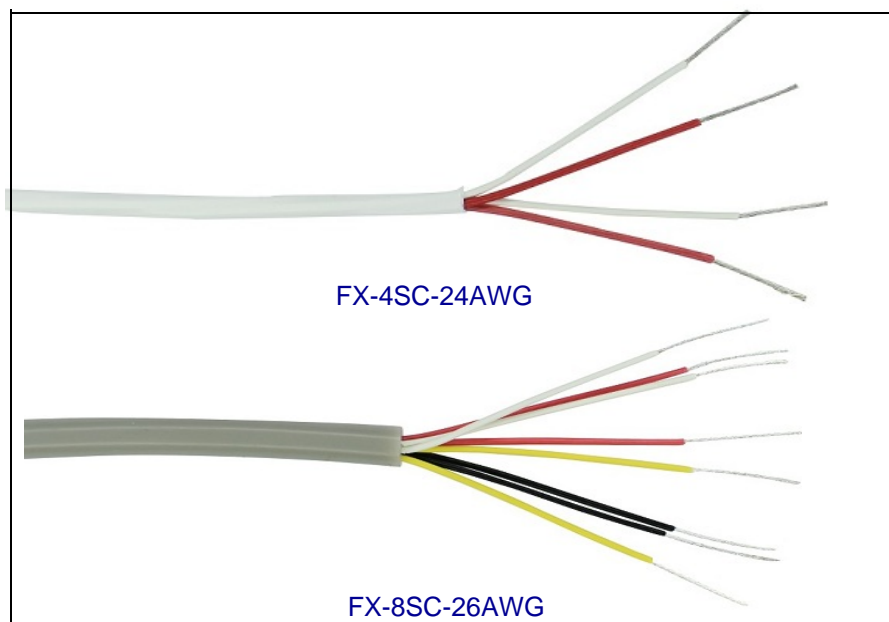
Insulation Design

1. TeflonPFA insulation (P)
2. Silicone Rubber insulated (X)

Conductor Materials

- 1:TC-Tinned copper
- 2: NC-Nickel plated copper
- 3:SC-Silver plated copper

MODEL NO.: FX



Insulation Design

- 1:Teflon FEP (F)
2. Silicone Rubber insulated (X)

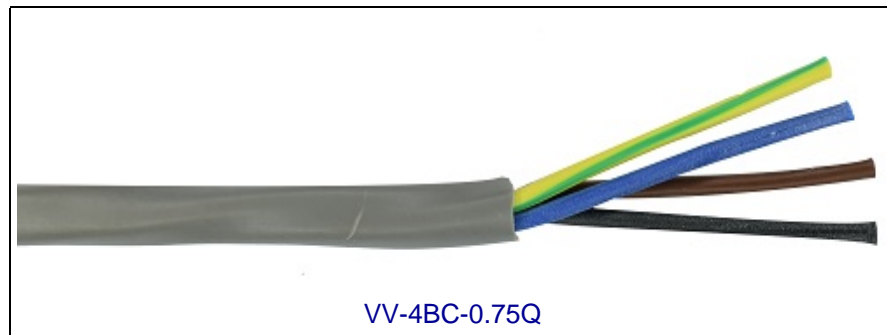
Product Model No. > PVC insulated

MODEL NO.: VV



Insulation Design

1. PVC insulated (V)
2. PVC insulated (V)

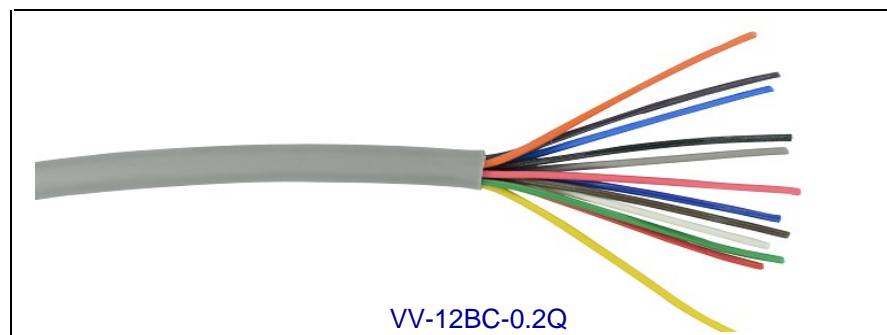
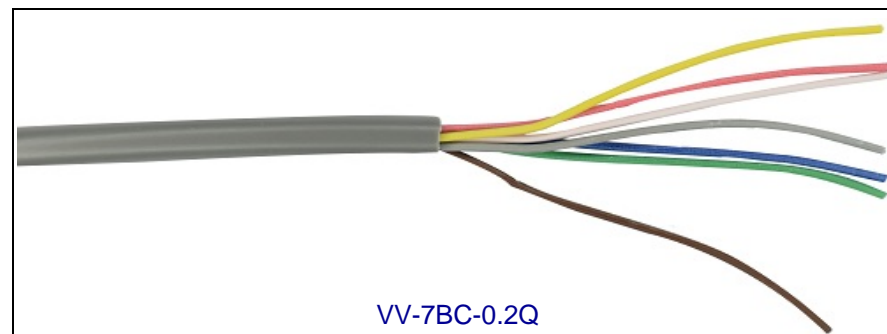


Temperature range

from 0 °C to + 105 °C

Conductor Materials

1:BC-Bare copper



Customized multicores are available

1 core ,2 cores, 3 cores, 4 cores, 5 cores
6 cores, 7 cores, 8 cores, etc.

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