



Wire Harness Corrugated Tube

Environmentally friendly PP high flame retardant corrugated tube is made of environmentally friendly modified polypropylene material. According to different flame retardant grades, it is divided into three types: BW-PPF, BW-PPV, and BW-PPH. It has good mechanical bearing strength, good toughness, good bending performance, torsion resistance, abrasion resistance, acid, alkali, inorganic salt, lubricating oil, etc. It is an ideal product for line insulation protection, water supply, and gas supply.

Environmentally friendly PA high flame retardant corrugated tube is made of environmentally friendly modified polyamide material. According to different flame retardant grades, it is divided into two types, BW-PAF and BW-PAV, with a bright surface gloss. It has higher mechanical bearing strength, excellent toughness and bending performance, anti distortion, abrasion resistance, acid, alkali, inorganic salt, lubricating oil, etc. It is an ideal product for line insulation protection, water supply and gas supply.



BW-PPF

Features

- High flame resistance, meeting needle flame combustion test GB/T5169.5-2008 and UL94V-0
- Continuous operating temperature: - 45°C to+125°C
- Meeting the technical requirements for electric buses, GB/T2408 and QC/T29106
- Standard colors: orange, black

Technical Data

Product performance	Test Method	Standard
Tensile strength (Mpa)	ASTM D 2671	≥21
Elongation(%)	ASTM D 2671	≥200
Thermal aging(125*3000h)	QC/T29106 Appendix D	No embrittlement or pulverization
Thermal aging(150°C*240h)	QC/T29106 Appendix D	No embrittlement or pulverization
Low-temperature shock(-40°C)	QC/T29106 Appendix D	No crack or fracture
Flame retardancy	GB/T5169.5-2008	Pass
Flame retardancy(combustion rate)	UL94V-0	Pass

BW-PPV

Features

- High flame resistance, meeting needle flame combustion test UL94V-0
- Continuous operating temperature: - 45°C to+125°C
- Meeting the technical requirements for electric buses, GB/T2408 and QC/T29106
- Standard colors: orange, black

Technical Data

Product performance	Test Method	Standard
Tensile strength(MPa)	ASTM D 2671	≥21
Elongation(%)	ASTM D 2671	≥200
Thermal aging(125*3000h)	QC/T29106 Appendix D	No embrittlement or pulverization
Thermal aging(150°C*240h)	QC/T29106 Appendix D	No embrittlement or pulverization
Low-temperature shock(-40°C)	QC/T29106 Appendix D	No crack or fracture
Flame retardancy	UL94V-0	Pass
Flame retardancy(combustion rate)	GB8410-2006	A-0 mm/min



BW-PPH

Features

- High flame resistance, meeting needle flame combustion test UL94 HB
- Continuous operating temperature: - 45°C to+125°C
- Meeting the technical requirements for electric buses, GB/T2408 and QC/T29106
- Standard colors: orange, black

Technical Data

Product performance	Test Method	Standard
Tensile strength(MPa)	ASTM D 2671	≥21
Elongation(%)	ASTM D 2671	≥200
Thermal aging(125*3000h)	QC/T29106 Appendix D	No embrittlement or pulverization
Thermal aging(150°C*240h)	QC/T29106 Appendix D	No embrittlement or pulverization
Low-temperature shock(-40°C)	QC/T29106 Appendix D	No crack or fracture
Flame retardancy	UL94 HB	Pass
Flame retardancy(combustion rate)	GB8410-2006	≤100mm/min

BW-PAF

Features

- High flame resistance, meeting needle flame combustion test GB/T5169.5-2008 and UL94V-0
- Continuous operating temperature: - 45°C to+125°C
- Meeting the technical requirements for electric buses, GB/T2408 and QC/T29106
- Standard colors: orange, black

Technical Data

Product performance	Test Method	Standard
Tensile strength(MPa)	ASTM D 2671	≥21
Elongation(%)	ASTM D 2671	≥200
Thermal aging(125*3000h)	QC/T29106 Appendix D	No embrittlement or pulverization
Thermal aging(150°C*240h)	QC/T29106 Appendix D	No embrittlement or pulverization
Low-temperature shock(-40°C)	QC/T29106 Appendix D	No crack or fracture
Flame retardancy	GB/T5169-2008	Pass
Flame retardancy(combustion rate)	UL94V-0	Pass

BW-PAV

Features

- High flame resistance, meeting needle flame combustion test UL94V-0
- Continuous operating temperature: - 45°C to+125°C
- Meeting the technical requirements for electric buses, GB/T2408 and QC/T29106
- Standard colors: orange, black

Technical Data

Product performance	Test Method	Standard
Tensile strength(MPa)	ASTM D 2671	≥21
Elongation(%)	ASTM D 2671	≥200
Thermal aging(125*3000h)	QC/T29106 Appendix D	No embrittlement or pulverization
Thermal aging(150°C*240h)	QC/T29106 Appendix D	No embrittlement or pulverization
Low-temperature shock(-40°C)	QC/T29106 Appendix D	No crack or fracture
Flame retardancy	UL94V-0	Pass
Flame retardancy(combustion rate)	GB8410-2006	A-0 mm/min

Dimensions

Inner Diameter mm	Outer Diameter mm	Minimum bending radius(mm)	Standard Packaging M/roll
5.2±0.3	7.35±0.3	5	400
6.0±0.3	9.00±0.3	10	200
7.0±0.3	10.00±0.3	10	200
7.5±0.3	10.50±0.3	10	200
8.5±0.3	11.50±0.3	15	200
10.00±0.3	13.00±0.3	20	200
11.00±0.3	14.00±0.3	25	200
12.00±0.3	15.80±0.3	30	200
13.00±0.3	17.00±0.3	35	200
14.30±0.3	18.50±0.3	40	200
15.10±0.5	19.70±0.5	40	200
16.00±0.5	20.00±0.5	45	200
17.00±0.5	21.20±0.5	45	200
18.00±0.5	22.00±0.5	50	200
19.00±0.5	23.50±0.5	50	200
20.00±0.5	25.00±0.5	50	100
22.00±0.5	26.00±0.5	50	100
23.00±0.5	28.50±0.5	55	100
25.00±0.5	32.00±0.5	55	50
26.00±0.5	31.00±0.5	55	50
29.00±0.5	34.50±0.5	60	50
32.00±0.5	36.50±0.5	70	50
36.00±0.5	42.50±0.5	75	50
48.00±0.5	54.50±0.5	75	25