

SYNERGY TELECOM PVT. LTD

RG PTFE insulated coaxial RF Cable series



This product is suitable for the solid PTFE insulated coaxial RF cable transmitting RF signals in radio communication, broadcast and electronic equipment, and its permissible operating temperature is in the range -55°C , $+200^{\circ}\text{C}$.

Model	Structure of internal conductor pieces/diametermm	insulated outer diameter (mm)	Type	Outer diameter of sheath (mm)	Specific resistance Ω	Test voltage KV
RG178	7/0.10	0.87 \pm 0.08	Single-layer weaving	1.80 \pm 0.10	50	1.2
RG316	7/0.18	1.50 \pm 0.10	Single-layer weaving	2.55 \pm 0.20	50	2.0
RG316D	7/0.18	1.50 \pm 0.10	Single-layer weaving	2.95 \pm 0.10	50	2.0
RG303	1/0.93	3.0 \pm 0.10	Single-layer weaving	4.35 \pm 0.20	50	3.6
RG142	1/0.93	3.0 \pm 0.10	Single-layer weaving	4.95 \pm 0.20	50	3.6
RG179	7/0.10	1.50 \pm 0.10	Single-layer weaving	2.55 \pm 0.20	75	1.8
RG179D	7/0.10	1.50 \pm 0.10	Single-layer weaving	2.95 \pm 0.20	75	1.8

SYNERGY TELECOM PVT. LTD

RF super-thin coaxial RF Cable series



1. Model and name

Model	Name
RF	Solid FEP insulated, FEP sheath coaxial RF cable

This product is suitable for the solid PTFE insulated coaxial RF cable transmitting RF signals in radio communication, broadcast and electronic equipment and its permissible operating temperature is in the range -55°C, +200°C.

Model	Structure of internal conductor pieces/diameter mm	insulated outer diameter (mm)	Type	Outer diameter of sheath (mm)	Specific resistance Ω	Test voltage KV	Calculation weight KG/km
RF1.13	7/0.08	0.68±0.05	Single-layer weaving	1.17±0.04	50±2	1.2	3.23
RF1.32	7/0.08	0.66±0.05	Single-layer weaving	1.32±0.05	50±2	1.5	5.11
RF1.37	7/0.102	0.85±0.06	Single-layer weaving	1.37±0.05	50±2	1.5	4.32
RF0.81	7/0.05	0.40±0.03	Single-layer weaving	0.81±0.05	50±3	1	1.82

SYNERGY TELECOM PVT. LTD

RG PTFE insulated semi-flexible coaxial cable series



Model, specifications and structure measurement

Model	structure of internal conductor pieces/diameter mm	Insulated outer diameter (mm)	type	Outer diameter of sheath (mm)	Specific resistance	Temperature Range °C	Resistance to pressure KV
RG086	0.51	1.66	2.1	2.5	50	-55~+125	2
RG141/25	1.64	3	3.52	4.1	25	-55~+125	2
RG141/75	0.52	2.98	3.52	4.1	70	-55~+125	2
RG141/50	0.92	2.98	3.52	4.1	50	-55~+125	2
RG141/100	0.28	2.98	3.52	4.1	100	-55~+125	2

SYNERGY TELECOM PVT. LTD

SFT PTFE insulated semi-rigid coaxial cable series



Suitable for high-frequency super-rated transmission cable used for fixed laying in radio equipment, the operating temperature at -55°C, +200°C.

Mode 1	Structure measurement mm			Electrical parameters						Min bendin g radius (mm)
	Structur e of internal conduct or	Insulate d	External conduct or Outer diameter ×wall thicknes s	Resistanc e Ω	Max working frequenc y GHZ	Resistanc e to presssure KV	AttenuationdB/m			
							500 MH Z	500 0 MH Z	1000 0 MHZ	
SFT-50-1	0.28	0.92	1.12×0.1	50±2.5	110	2	0.92	3.01	4.35	6.35
SFT-50-2	0.51	1.67	2.18×0.25	50±2	60	3	0.55	1.85	2.71	6.35
SFT-50-3	0.92	3	3.6×0.30	50±1	18	5	0.31	1.10	1.64	8
SFT-50-5.2	1.60	5.2	6.0×0.40	50±0.5	18	5			1	15

SYNERGY TELECOM PVT. LTD

SFF solid PTFE insulated coaxial RF cable series



This product is suitable for the solid PTFE insulated coaxial RF cable transmitting RF signals in radio communication, broadcast and electronic equipment, and its permissible operating temperature is in the range -55°C, +200°C.

Model, specifications and structure measurement

Model	Structure of internal conductor Pieces /diametermm	Insulated outer diameter (mm)	type	Outer diameter of sheath (mm)	Specific resistance Ω	Test voltage kv	Calculation weight Kg/km
SFF-50-1	7/0.10	0.87	Single-layer weaving	1.80±0.1	50	1.2	7.51
SFF-50-1.5-1	7/0.18	1.50	Single-layer weaving	2.55±0.2	50	2.0	16.0
SFF-50-1.5-2	7/0.18	1.50	Two-layer weaving	3.20±0.2	50	2.0	28.0
SFF-50-2-1	1/0.73	2.20	Single-layer weaving	3.30±0.2	50	3.0	26.30
SFF-50-2-2	1/0.73	2.20	Two-layer weaving	4.0±0.2	50	3.0	44.40
SFF-50-3-1	1/0.93	3.0	Single-layer weaving	4.50±0.2	50	4.2	50.40
SFF-50-3-2	1/0.93	3.0	Two-layer weaving	5.50±0.2	50	4.2	79.40
SFF-50-5	1/1.48	4.6	Single-layer weaving	6.5	50	6.5	86.9
SFF-50-5	1/1.48	4.6	Two-layer weaving	7.1	50	6.5	
SFF-50-7	7/0.82	7.3	Single-layer weaving	9.2	50	10	191.8
SFF-50-9	7/1.0	9.0	Single-layer weaving	11	50	12	275

Model	Structure of internal conductor Pieces /diameter(mm)	Insulated outer diameter (mm)	Outer diameter of sheath (mm)	Specific RESISTANCE Ω	Test voltage kv
SFF-50-3-3	19/0.20	2.95	4.95±0.2	50	3.0

The colour of cable sheath is original colour or brown the manufacture length of cable follows the standard the delivery quantity of short wire shall not exceed 20% of each batch.

SYNERGY TELECOM PVT. LTD

SFF solid PTFE insulated coaxial RF cable series



This product is suitable for the solid PTFE insulated coaxial RF cable transmitting RF signals in radio communication, broadcast and electronic equipment, and its permissible operating temperature is in the range -55°C, +200°C.

Model	name
SFF	solid PTFE insulated, FEP sheath coaxial Rf cable

II. Specifications and structure measurement

Model	Structure of internal conductor Pieces /diametermm	Insulated outer diameter(mm)	type	Outer diameter of sheath (mm)	Specific resistance Ω	Test voltage kv	Calculation weight Kg/km
SFF-75-1	1/0.17	0.87	Single-layer weaving	1.8	75	1	7.28
SFF-75-1.5-1	7/0.10	1.50	Single-layer weaving	2.55	75	1.8	15.2
SFF-75-1.5-2	7/0.10	1.50	Two-layer weaving	3.20	75	1.8	27.2
SFF-75-2	1/0.41	2.20	Single-layer weaving	3.30	75	2.6	30
SFF-75-2-2	1/0.41	2.20	Single-layer weaving	4.0	75	2.6	
SFF-75-3-1	1/0.55	3.0	Single-layer weaving	4.50	75	3.6	47.40
SFF-75-3-2	1/0.55	3.0	Two-layer weaving	5.5	75	3.6	76.5
SFF-75-5	1/0.82	4.6	Single-layer weaving	6.4	75	5.5	88.5
SFB-75-7	7/0.45	7.3	Single-layer weaving	9.2	75	8.5	175.9
SFB-75-9	7/0.55	9.0	Single-layer weaving	11	75	10	252.7
SFF-95-3	7/0.10	2.6	Single-layer weaving	3.6	95		31.2
SFB-100-7	1/0.70	7.3	Single-layer weaving	9.2	100	6.5	171.5

SYNERGY TELECOM PVT. LTD

PTFE insulated wire and cable series



This product is suitable for AC rated over rating voltage 600V and below, the max continuous operating temperature of its conductor is up to +205%, suitable for electrical connection and it keeps good winding performance in the ambient temperature not below -65%

Model	name
AF-250(FF ₄ -2)	Silver-plating copper core PTFE insulated wire or cable
AF-250-1	Silver-plating copper core PTFE insulated wire or cable
AFP-250(FF ₄ P-2)	Silver-plating copper core PTFE insulated tin-plating or nickel-plating copper wire weaving shielded cable
AFP-250-1	Silver-plating copper core PTFE insulated tin-plating or nickel-plating copper wire weaving shielded cable
FPP(FF ₄ P ₂₁ H ₃ -2)	Silver-plating copper core PTFE insulated tin-plating copper wire weaving shielded FEP insulated cable

AWG	Nominal section (mm ²)	Structure of internal conductor Pieces /diametermm	Max direction current r resistance of conductor ΩKm20°C	Outer diameter of wire (mm)	Thickness of FEP sheath
				AF-250	FPP(FF ₄ P ₂₁ H ₃ -2)
30	0.06	1/0.26	379	0.66	0.20
28	0.08	1/0.32	237	0.72	0.20
26	0.12	7/0.15	148	0.80	0.20
24	0.20	7/0.20	81.5	1.25±0.15	0.20
22	0.35(0.30)	19/0.16	46.9	1.45±0.15	0.20
20	0.50	19/0.18	37.1	1.65±0.15	0.20
	0.60	19/0.20	30.1	1.75±0.15	0.20
18	0.75(0.30)	19/0.23	22.7	1.90±0.15	0.20
	1.0	19/0.26	17.8	2.05±0.15	0.20
	1.20	19/0.28	15.3	2.25±0.15	0.25
16	1.50	19/0.32	11.7	2.45±0.15	0.25
14	2.0	19/0.37	8.78	2.70±0.15	0.25
	2.5	19/0.41	7.25	3.10±0.20	0.25
	3.0	37/0.32(49/0.28)	6.03	3.52±0.20 3.30±0.20	0.25
12	4.0	37/0.37(49/0.32)	4.51	3.88±0.20 3.60±0.20	0.25
10	5.0	37/0.41(49/0.37)	3.67	4.53±0.20 4.10±0.20	0.25
	6.0	37/0.45(49/0.39)	3.09	4.71±0.20 4.40±0.20	0.25

SYNERGY TELECOM PVT. LTD

FEP insulated wire and cable series



This product is suitable for AC rated over rating voltage 600V and below, the max continuous operating temperature of its conductor is up to +205%, suitable for electrical connection and it keeps good winding performance in the ambient temperature not below -65%

Model	Name
AF-250(FF ₄₆ -1)	Silver-plating copper core FEP insulated wire
AF-250(FF ₄₆ -2)	Silver-plating copper core FEP insulated tin-plating round copper wire weaving shielded wire
AFP-150(FF ₄₆ P ₁₁ -1)	Silver-plating copper core FEP insulated tin-plating round copper wire weaving shielded wire
AFP-200(FF ₄₆ P ²¹ -2)	Silver-plating copper core FEP insulated tin-plating round copper wire weaving shielded FEP sheath wire
FPF(FF ₄₆ P ₁₁ H ₃ -1)	Silver-plating copper core FEP insulated tin-plating round copper wire weaving shielded FEP sheath wire
FPF(FF ₄₆ P ₂₁ H ₃ -2)	Silver-plating copper core FEP insulated tin-plating round copper wire weaving shielded FEP sheath wire

II. Specifications and structure measurement

AWG	Nominal section (mm ²)	Structure of internal conductor Pieces /diametermm	Max direction current resistance of conductor/20°C		Outer diameter of wire (mm)	Thickness of sheath (mm)
			SILVER-PLATING COPPER CORE Ω/km	silver-plating copper core Ω/km		
30	0.06	7/0.10			0.80±0.07	0.20
28	0.08	7/0.12			0.86±0.07	0.20
26	0.12	7/0.16	128	138	0.98±0.08	0.20
24	0.20	19/0.12	83.5	90.4	1.20±0.08	0.20
22	0.50	19/0.16	46.9	50.8	1.40±0.11	0.20
20	0.50	19/0.20	30.1	32.5	1.60±0.11	0.20
18	0.75	19/0.23	22.7	24.6	1.75±0.11	0.25
18	1.0	19/0.26	17.8	19.3	1.90±0.11	0.25
18	1.2	19/0.28	15.3	16.6	2.20±0.16	0.25
16	1.5	19/0.32	11.7	12.7	2.40±0.16	0.25
14	2.0	19/0.37	8.78	9.5	2.65±0.16	0.25
14	2.5	37/0.30 49/0.41	6.86	7.43	3.10±0.20(3.20±0.20)	0.25
14	3.0	37/0.32 49/0.28	6.03	6.53	3.24±0.20(3.6±0.20)	0.25
12	4.0	37/0.37 49/0.32	4.51	4.88	3.59±0.20(4.0±0.20)	0.25
10	5.0	37/0.41 49/0.37	3.67	3.98	3.87±0.20(4.5±0.20)	0.25
10	6.0	37/0.45 49/0.39	2.99	3.30	4.15±0.20(4.7±0.20)	0.25

SYNERGY TELECOM PVT. LTD

Teflon-BFF200X model FEP 2-core flat cable series



1. The conductor uses single or twisted 0.06-6mm nuded copper wire or tin-plating wire, and the insulation is made of FEP.
2. Rated temperature: -80 °C+200°C, rated voltage: 600v
3. Standard: GJB773-89
4. With standard thickness easy to peel or cut.
5. With good heat stability, grinding-resistant and electric insulated performance, resistant to strong acids, corrosion and fire, low smoke in fire, not aging.

Specifications and structure measurement

section mm ²	Conductor(mm)		Insulator(m)		Cutting flux (A)	Electric resistance of conductor Ω/km	Packingm/coils
	Line/wire diameter	Diameter	Insulator Thick	Thickness of sheath			
2x0.2	2x7/0.20	2x0.6	0.30	0.3	3	90.4	200
2x0.3	2x19/0.15	2x0.8	0.30	0.3	5	71.2	200
2x0.5	2x19/0.19	2x1.0	0.30	0.3	8	40.1	200
2x0.75	2x19/0.23	2x1.15	0.30	0.3	11	24.6	200
2x1.0	2x19/0.26	2x1.3	0.30	0.3	15	20	100
2x1.25	2x19/0.29	2x1.4	0.40	0.3	19	16.6	100
2x1.5	2x19/0.32	2x1.6	0.40	0.3	23	13.7	100
2x2.0	2x19/0.37	2x1.85	0.40	0.3	27	9.5	100
2x2.5	2x37/0.30	2x2.1	0.50	0.3	31	8.21	100
2x3.0	2x37/0.32	2x2.25	0.50	0.4	34	7	100
2x3.5	2x33/0.37	2x2.4	0.50	0.4	37	6.1	100
2x4	2x37/0.37	2x2.6	0.50	0.4	40	5.09	100
2x5.5	2x37/0.42	2x2.95	0.50	0.4	50	4.5	100
2x6	2x37/0.45	2x3.15	0.50	0.4	58	3.64	100

SYNERGY TELECOM PVT. LTD

Teflon-NH-KFF200X model fep 3-core cable series



- 1.The conductor uses single or twisted 0.06-6mm nuked copper wire ortin-plating wire,and the insulation is made of FEP.
- 2.Rated temperature:-80 °C+200°C,rated voltage:600v
- 3.Standard:GJB773-89
- 4.With standard thickness easy to peel or cut.
- 5.Wiht good heat stability,grinding-ressistant and electric insulated performance,resistant to strong acids,corrosion and fire,low somoke in fire,not aging.

Specifications and structure measurement

section mm ²	Conductor(mm)		Insulator(m)		Cutting flux (A)	Electric resistance of conductor Ω/km	Packingm/coils
	Line/wire diameter	Diameter	Insulator Thick	Thickness of sheath			
3x0.2	3x7/0.20	3x0.6	0.30	0.3	3	90.4	200
3x0.3	3x19/0.15	3x0.8	0.30	0.3	5	71.2	200
3x0.5	3x19/0.19	3x1.0	0.30	0.3	8	40.1	200
3x0.75	3x19/0.23	3x1.15	0.30	0.3	11	24.6	200
3x1.0	3x19/0.26	3x1.3	0.30	0.3	15	20	100
3x1.25	3x19/0.29	3x1.4	0.40	0.3	19	16.6	100
3x1.5	3x19/0.32	3x1.6	0.40	0.3	23	13.7	100
3x2.0	3x19/0.37	3x1.85	0.40	0.3	27	9.5	100
3x2.5	3x37/0.30	3x2.1	0.50	0.3	31	8.21	100
3x3.0	3x37/0.32	3x2.25	0.50	0.4	34	7	100
3x3.5	3x33/0.37	3x2.4	0.50	0.4	37	6.1	100
3x4	3x37/0.37	3x2.6	0.50	0.4	40	5.09	100
3x5.5	3x37/0.42	3x2.95	0.50	0.4	50	4.5	100
3x6	3x37/0.45	3x3.15	0.50	0.4	58	3.64	100