



Pipe Inspection Robot Cable & Push Rod Cable

The best solution of replacement cable



COPARTNER

Founded in 1987, Copartner Tech Corp. has been a leading manufacturer of cable and wire products. For more than thirty years, we adhere to the business philosophy of concerted efforts, sustainable operation and customer first, and provides high-quality services for customers in various fields. Copartner is now an outstanding partner for many leading brands around the world. Our experienced R & D department can professionally customize the performance, structure and appearance of the products. In recent years, Copartner has developed a series of pipe inspection robot cable and successfully promoted to Asia and Europe market.

Custom Cable

Copartner customizes cables for customers to suit their unique applications.

R&D department designs and develops solutions around below conditions, including:

- Temperature
- Physical strength : flexing cycles, torsion or tensile strength.
- Chemical Resistance

We design cables and wires to spec using various insulation and conductive materials, including:

- Composite/Hybrid designs of structure
- Different Jacketing choices
- Round or Flat shape design

E-119932 COPARTNER INSPECTION CABLE



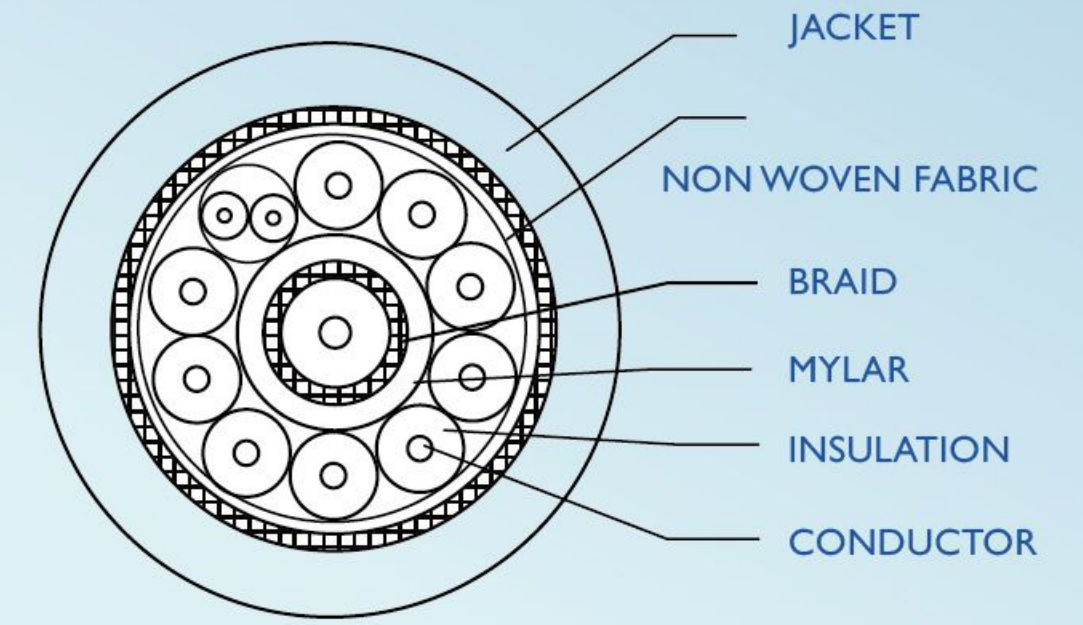
E-119932 COPARTNER PUSH ROD CABLE



Suitable for inspection system from IBAK

CTC-INSPECT_A01 (1C*26AWG+BM)*1C+1P*28AWG+9C*22AWG+FABRIC+BRAID

ITEM		SPECIFICATION			
CONDUCTOR	AWG	26AWG	28AWG	22AWG	
	MATERIAL	SILVER COATED COPPER	SILVER COATED COPPER	BARE COPPER	
	COND.SIZE	19/0.10±0.008mm	19/0.08±0.008mm	19/0.18±0.008mm	
INSULATION	MIN.AVG.THICK	1.00mm	0.18mm	0.18mm	
	MATERIAL	FOAMED-PE	HD-PE	HD-PE	
	O.D	2.00±0.10mm	0.70±0.05mm	1.23±0.08mm	
JACKET	MIN.AVG.THICK	1.0mm			
	MATERIAL	HALF MATT TPU			
	COLOUR	BLACK			
	O.D	8.00±0.15mm			

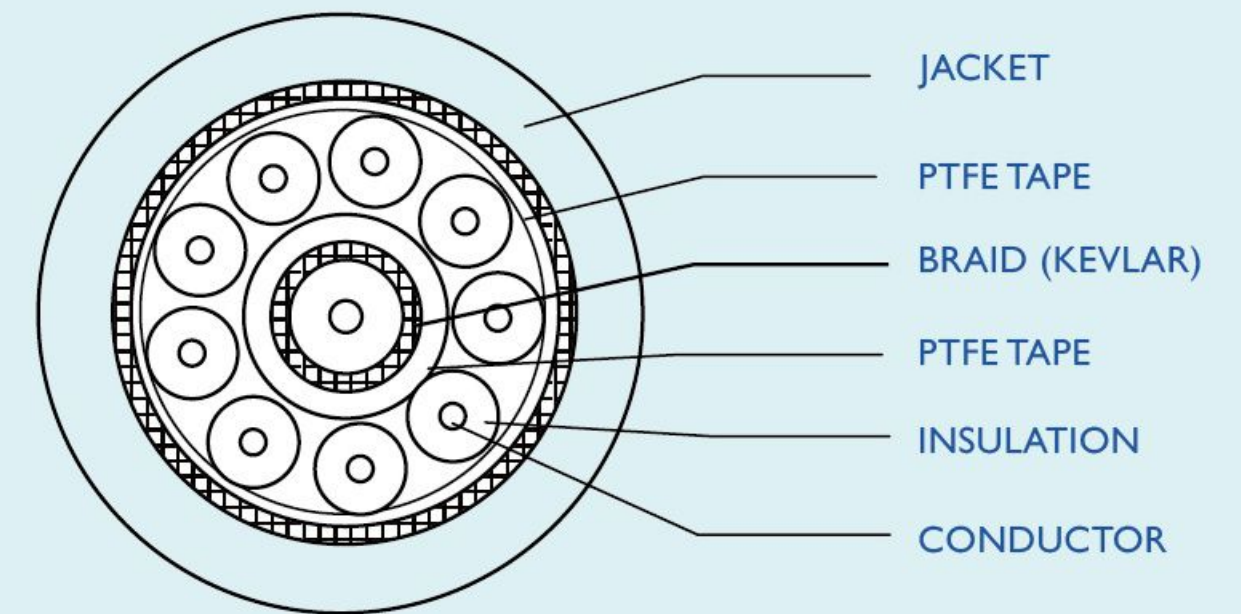


ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance : at 20°C MAX 26 AWG: 148.94Ω/km; 28AWG: 237.25Ω/km; 22AWG: 55Ω/km
3. Insulation Resistance : 10MΩ·km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength : AC 500V/1 minute no breakdown. (EIA-364-20)
5. Impedance test : 70±10%Ω I COAX(B)

CTC-INSPECT_A02 (1C*30#+B+PTFE TAPE)+9C*26#+ PTFE TAPE +BRAID

ITEM		SPECIFICATION	
CONDUCTOR	AWG	30AWG	26AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER
	COND.SIZE	7/0.10±0.008mm	19/0.10±0.008mm
INSULATION	MIN.AVG.THICK	0.80mm	0.15mm
	MATERIAL	FM-SKIN	HD-PE
	O.D	1.45±0.10mm	0.90±0.08mm
JACKET	MIN.AVG.THICK	1.0mm	
	MATERIAL	HALF MATT TPU	
	COLOUR	BLACK	
	O.D	6.20±0.15mm	

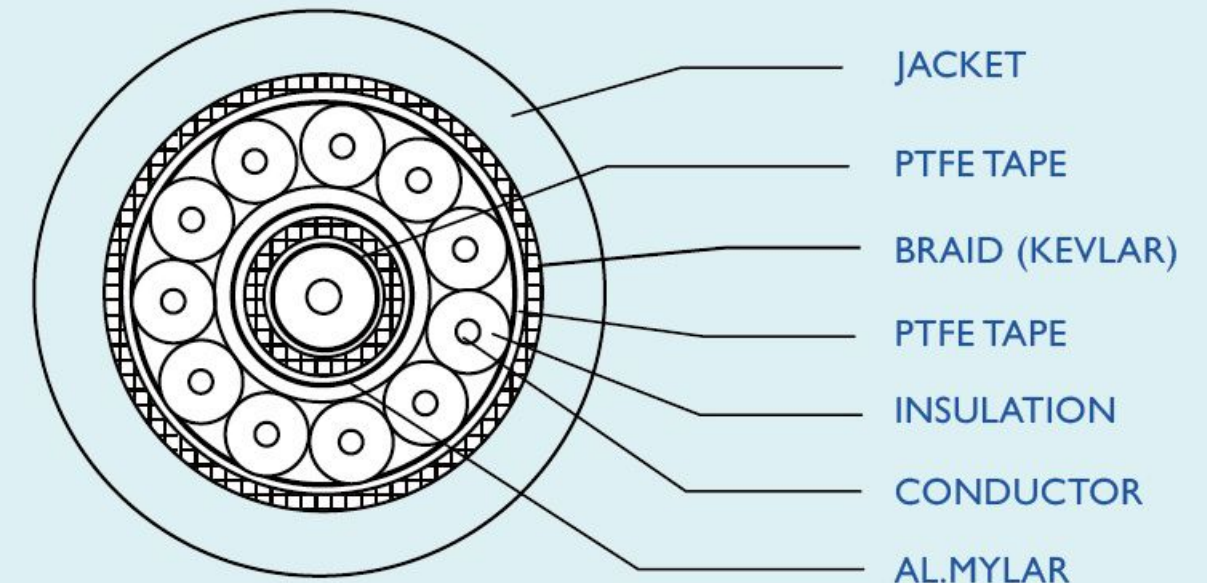


ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX 30AWG: 376.96Ω/km; 26AWG: 148.94Ω/km;
3. Insulation Resistance : 10MΩ·km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength : AC 500V/1 minute no breakdown. (EIA-364-20)

CTC-INSPECT_A03 (1C*26#+PTFE tape+B+A)+11C*19#+ PTFE TAPE +BRAID

ITEM		SPECIFICATION	
CONDUCTOR	AWG	26AWG	19AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	24/0.20±0.008mm
INSULATION	MIN.AVG.THICK	0.45mm	0.20mm
	MATERIAL	FM-PE+SKIN	HD-PE
	O.D	2.00±0.10mm	1.55±0.08mm
JACKET	MIN.AVG.THICK	0.85mm	
	MATERIAL	HALF MATT TPU	
	COLOUR	BLACK	
	O.D	9.50±0.20mm	

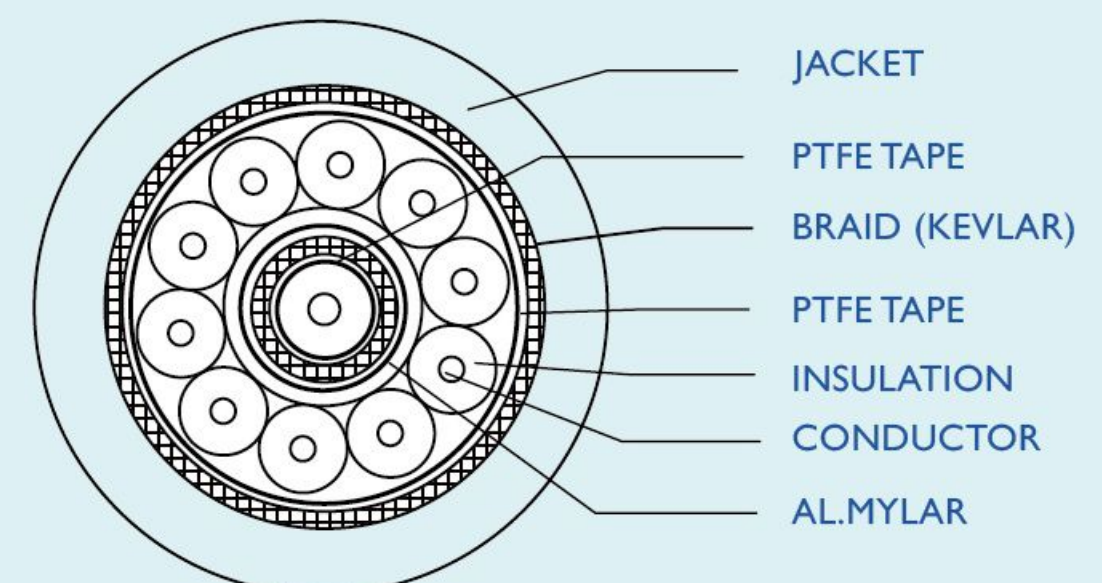


ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance : at 20°C MAX 26AWG: 148.94Ω/km; 19AWG: 27Ω/km;
3. Insulation Resistance : 10MΩ·km min at 20°C dc 500V. (EIA-364-21)
4. Dielectric Strength : AC 500V/1 minute no breakdown. (EIA-364-20)
Coaxial cable Impedance : 75±5Ω

CTC-INSPECT_A04 (1C*26#+PTFE tape+B+A)+10C*17#+ PTFE TAPE +BRAID

ITEM		SPECIFICATION	
CONDUCTOR	AWG	26AWG	17AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	32/0.20±0.008mm
INSULATION	MIN.AVG.THICK	0.45mm	0.35mm
	MATERIAL	FM-PE+SKIN	HD-PE
	O.D	2.00±0.10mm	2.00±0.10mm
JACKET	MIN.AVG.THICK	0.95mm	
	MATERIAL	HALF MATT TPU	
	COLOUR	BLACK	
	O.D	11.20±0.20mm	



ELECTRICAL CHARACTERISTICS

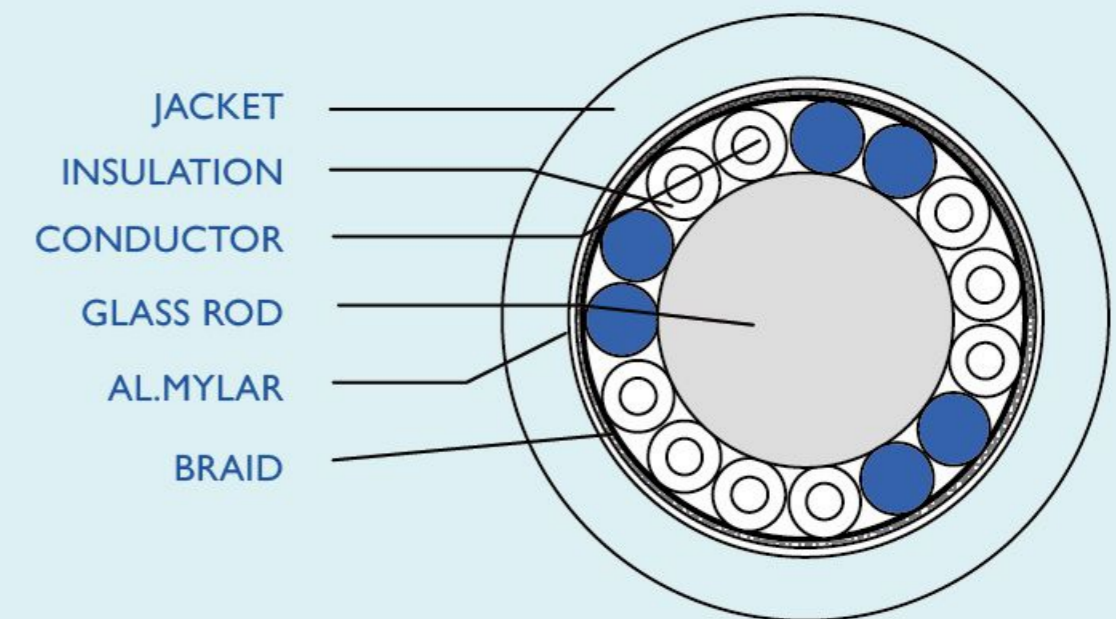
1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance : at 20°C MAX 26AWG: 148.94Ω/km; 17AWG: 16.9Ω/km;
3. Insulation Resistance : 10MΩ·km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength : AC 500V/1 minute no breakdown. (EIA-364-20)
Coaxial cable Impedance : 75±5Ω

Suitable for inspection system from IPEK



CTC-PUSHROD_001 9C*24#+FIBER+FILLER+AL.MYLAR+BRAID

ITEM		SPECIFICATION
CONDUCTOR	AWG	24AWG(0.25mm ²)
	MATERIAL	TINNED COPPER
	COND.SIZE	19/0.127mm
INSULATION	MIN.AVG.THICK	0.23mm
	MATERIAL	PP
	O.D	1.30±0.05mm
	NO.	9C
JACKET	MIN.AVG.THICK	1.1mm
	MATERIAL	PA-6
	COLOUR	RED
	O.D	10.9±0.20mm

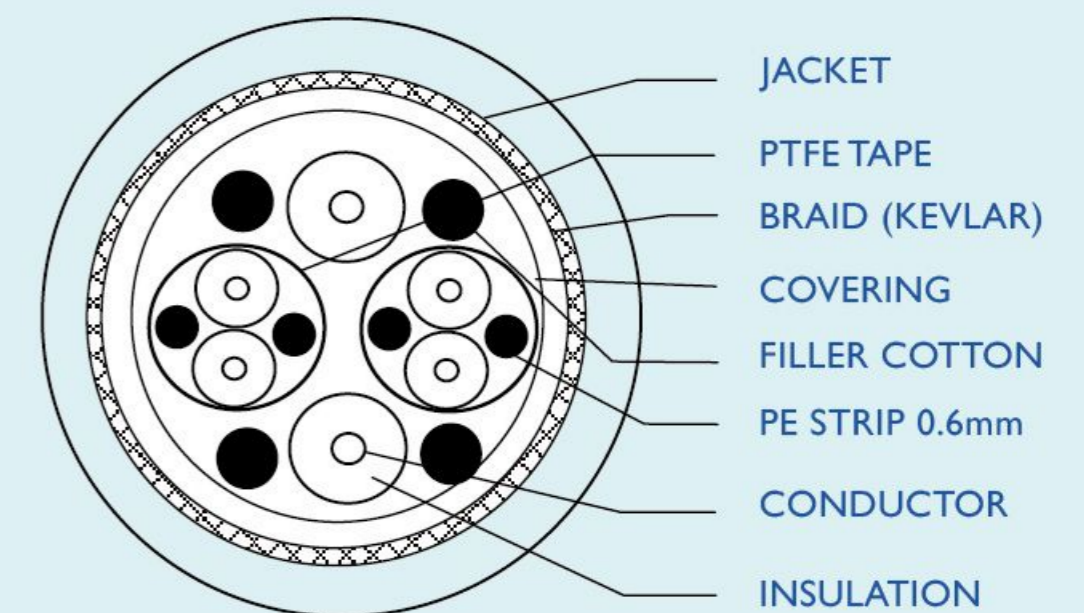


ELECTRICAL CHARACTERISTICS

1. Max. Conductor DC Resistance at 20°C: 77Ω/km
2. Insulation Resistance: 10MΩ/km min at 20°C dc 500V
3. Dielectric Strength: AC 500V/1 minute

CTC-INSPECT_B01 (1P*26#+F+PTFE TAPE)+(1P*26#+F+PTFE TAPE)+2C*20#+ FILLER + COVERING +BRAID

ITEM		SPECIFICATION		
CONDUCTOR	AWG	26AWG	26AWG	20AWG
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	19/0.10±0.008mm	19/0.18±0.008mm
INSULATION	MIN.AVG.THICK	0.18mm	0.23mm	0.10mm
	MATERIAL	FEP	FEP	FEP
	O.D	0.92±0.08mm	1.03±0.08mm	1.40±0.08mm
JACKET	MIN.AVG.THICK	0.76mm		
	MATERIAL	XL-PE		
	COLOUR	XL-PE80027 ORANGE		
	O.D	6.50+0/-0.30mm		

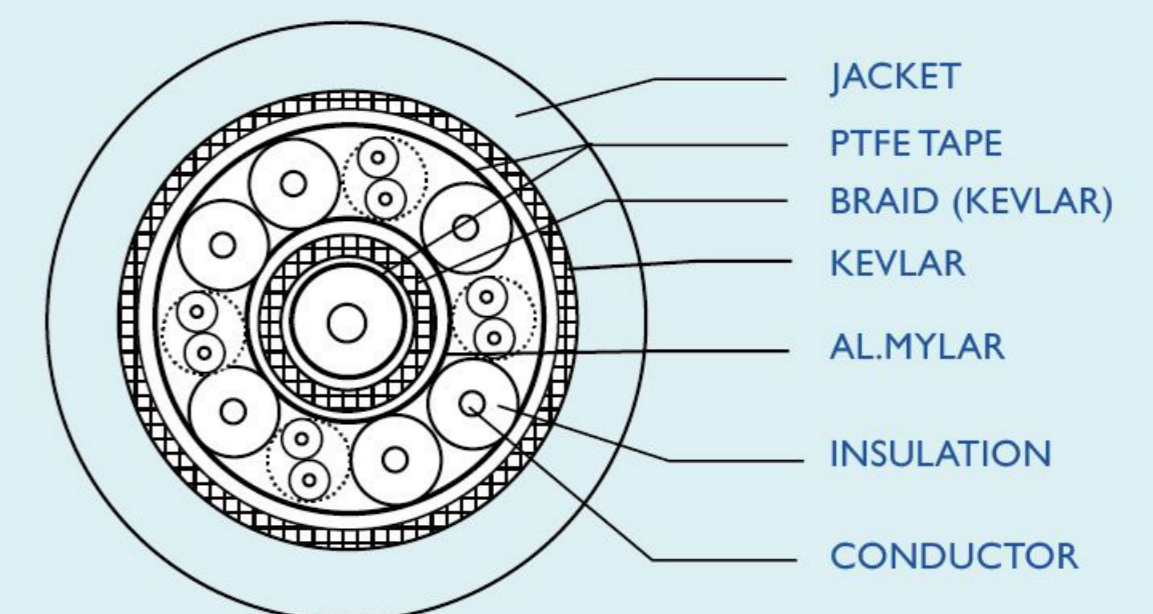


ELECTRICAL CHARACTERISTICS

1. Conductor Resistance: at 20°C MAX
26AWG: 148.94Ω/km; 20AWG: 34.6Ω/km;

CTC-INSPECT_B02 (1C*26#+PTFE+B+A)+4P*26#+6C*21#+PTFE TAPE+BRAID

ITEM		SPECIFICATION		
CONDUCTOR	AWG	26AWG	26AWG	21AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	19/0.10±0.008mm	19/0.18±0.008mm
INSULATION	MIN.AVG.THICK	0.45mm	0.08mm	0.12mm
	MATERIAL	FM-PE+SKIN	FEP	FEP
	O.D	2.00±0.10mm	0.70±0.08mm	1.20±0.08mm
JACKET	MIN.AVG.THICK	1.3mm		
	MATERIAL	FR-TPU (UV RESISTANCE)		
	COLOUR	RED		
	O.D	8.50±0.25mm		

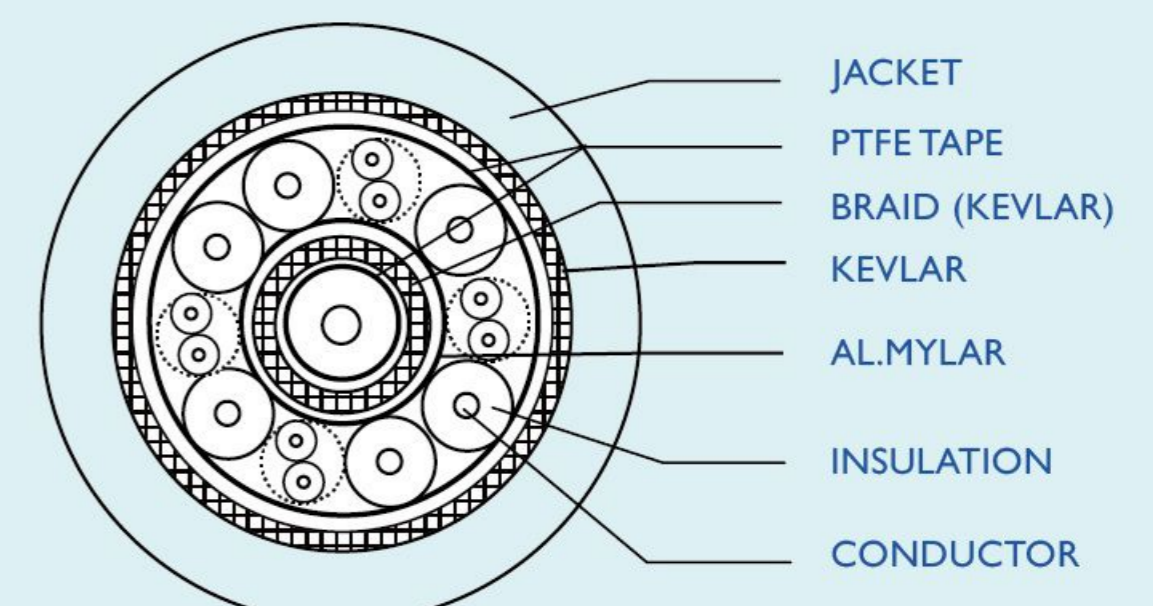


ELECTRICAL CHARACTERISTICS

1. Rating :TEMP 80°C ;VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX
26AWG: 148.94Ω/km; 21AWG: 47.6Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1 minute no breakdown. (EIA-364-20)
Coaxial cable Impedance: 75±5Ω

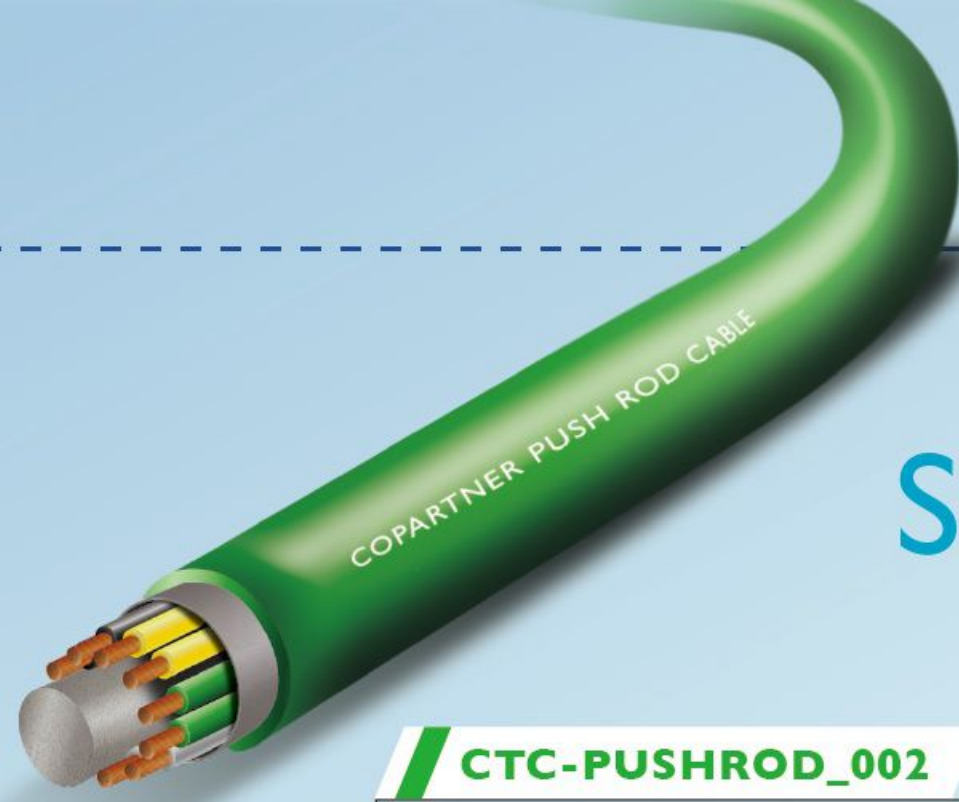
CTC-INSPECT_B03 (1C*26#+PTFE+B+A)+4P*26#+6C*21#+PTFE TAPE+BRAID

ITEM		SPECIFICATION		
CONDUCTOR	AWG	26AWG	26AWG	21AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	19/0.10±0.008mm	19/0.18±0.008mm
INSULATION	MIN.AVG.THICK	0.45mm	0.08mm	0.12mm
	MATERIAL	FM-PE+SKIN	FEP	FEP
	O.D	2.00±0.10mm	0.70±0.08mm	1.20±0.08mm
JACKET	MIN.AVG.THICK	0.51mm		
	MATERIAL	FR-TPU (UV RESISTANCE)		
	COLOUR	BLACK		
	O.D	6.80±0.30mm		



ELECTRICAL CHARACTERISTICS

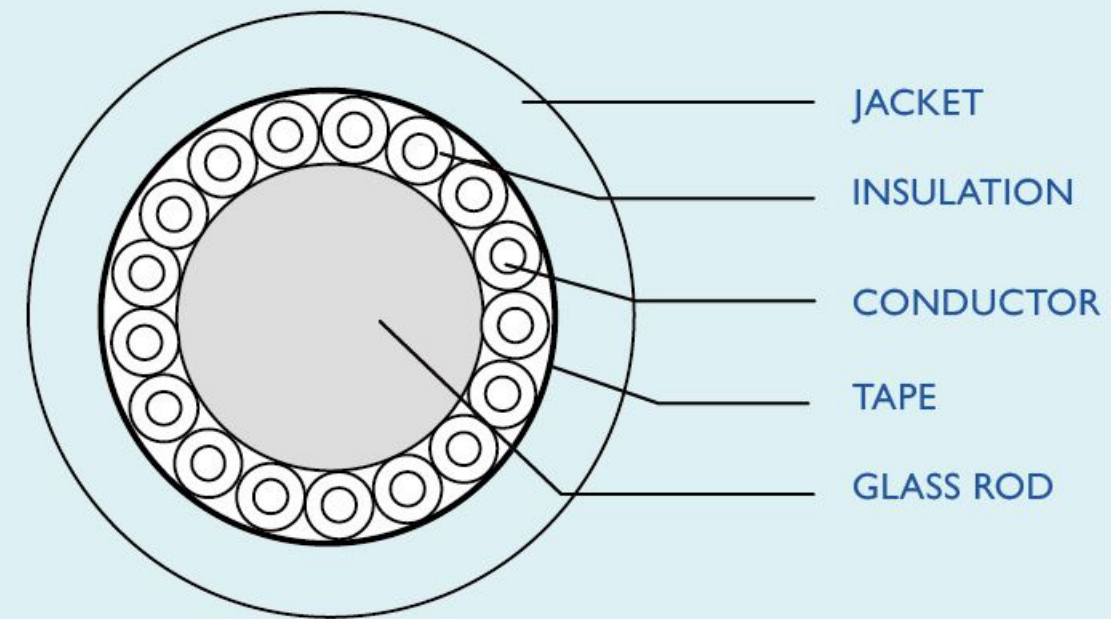
1. Rating :TEMP 80°C ;VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX 26AWG: 148.94Ω/km; 21AWG: 47.6Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1 minute no breakdown. (EIA-364-20)
Coaxial cable Impedance: 75±5Ω



Suitable for inspection system from Rausch

CTC-PUSHROD_002 17C*24#+FIBER ROD

ITEM		SPECIFICATION
CONDUCTOR	AWG	24AWG(0.25mm ²)
	MATERIAL	TINNED COPPER
	COND.SIZE	7/0.2mm
INSULATION	MIN.AVG.THICK	0.23mm
	MATERIAL	TPEE
	O.D	0.9±0.05mm
	NO.	17C
JACKET	MIN.AVG.THICK	1.3mm
	MATERIAL	HD-PE
	COLOUR	GREEN
	O.D	8.5±0.20mm

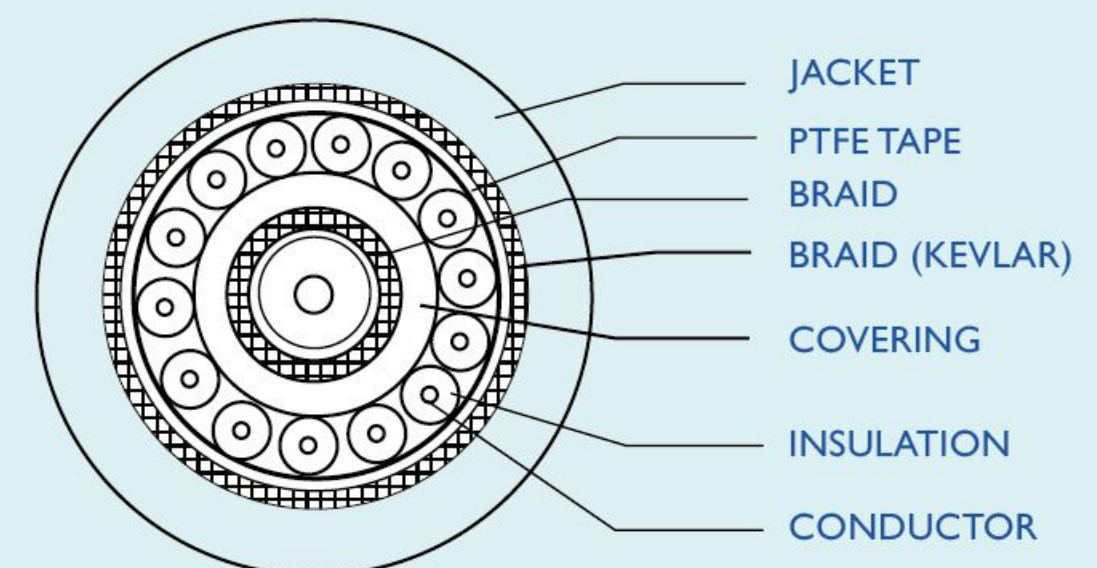


ELECTRICAL CHARACTERISTICS

1. Max. Conductor DC Resistance at 20°C: 77W/km;
2. Insulation Resistance: 10MW/km min at 20°C dc 500V
3. Dielectric Strength: AC 500V/1 minute

CTC-INSPECT_C01 (1C*26#+B)+14C*24#+PTFE TAPE+BRAID

ITEM		SPECIFICATION	
CONDUCTOR	AWG	26AWG	24AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	19/0.12±0.008mm
INSULATION	MIN.AVG.THICK	0.45mm	0.12mm
	MATERIAL	FM-PE+SKIN	FEP
	O.D	2.00±0.10mm	0.85±0.08mm
JACKET	MIN.AVG.THICK	0.76mm	
	MATERIAL	FR-TPU (UV RESISTANCE)	
	COLOUR	ORANGE	
	O.D	7.50±0.20mm	

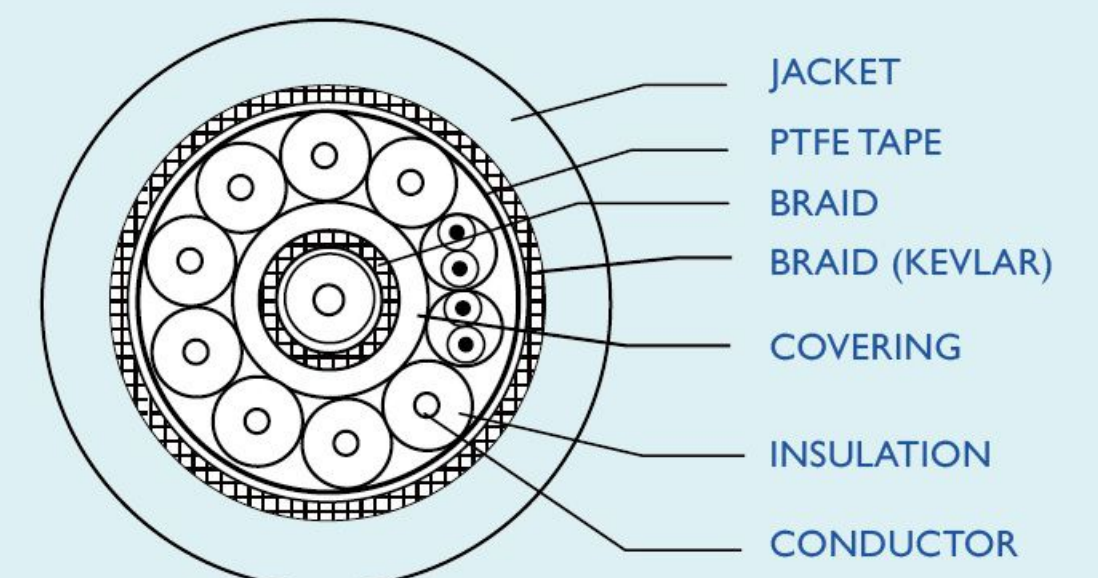


ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX
26AWG: 148.94Ω/km; 24AWG: 55Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1 minute no breakdown. (EIA-364-20)
Coaxial cable Impedance: 75±5Ω

CTC-INSPECT_C02 (1C*26#+B)+2P*24#+8C*17#+PTFE TAPE+BRAID

ITEM		SPECIFICATION		
CONDUCTOR	AWG	26AWG	24AWG	17AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	19/0.12±0.008mm	32/0.20±0.008mm
INSULATION	MIN.AVG.THICK	0.45mm	0.12mm	0.15mm
	MATERIAL	FM-PE+SKIN	FEP	FEP
	O.D	2.00±0.10mm	0.85±0.08mm	1.65±0.08mm
JACKET	MIN.AVG.THICK	0.80mm		
	MATERIAL	FR-TPU (UV RESISTANCE)		
	COLOUR	ORANGE		
	O.D	9.20±0.25mm		

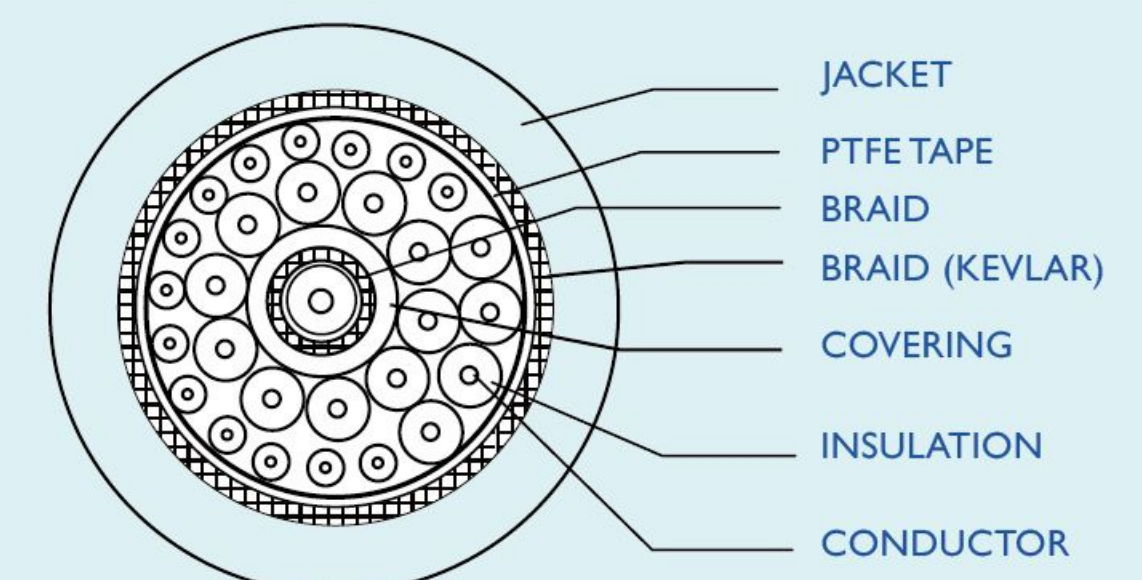


ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX
26AWG: 148.94Ω/km; 24AWG: 55Ω/km; 17AWG: 16.9Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1 minute no breakdown. (EIA-364-20)
Coaxial cable Impedance: 75±5Ω

CTC-INSPECT_C03 (1C*26#+B)+14C*22#+14C*19#+PTFE TAPE+BRAID

ITEM		SPECIFICATION		
CONDUCTOR	AWG	26AWG	22AWG	21AWG
	MATERIAL	SILVER COATED COPPER	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.10±0.008mm	19/0.16±0.008mm	19/0.22±0.008mm
INSULATION	MIN.AVG.THICK	0.45mm	0.12mm	0.15mm
	MATERIAL	FM-PE+SKIN	FEP	FEP
	O.D	2.00±0.10mm	1.10±0.08mm	1.20±0.08mm
JACKET	MIN.AVG.THICK	0.80mm		
	MATERIAL	FR-TPU (UV RESISTANCE)		
	COLOUR	ORANGE		
	O.D	11.80±0.25mm		



ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX
26AWG: 148.94Ω/km; 22AWG: 55Ω/km; 19AWG: 26.9Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1 minute no breakdown. (EIA-364-20)
Coaxial cable Impedance: 75±5Ω

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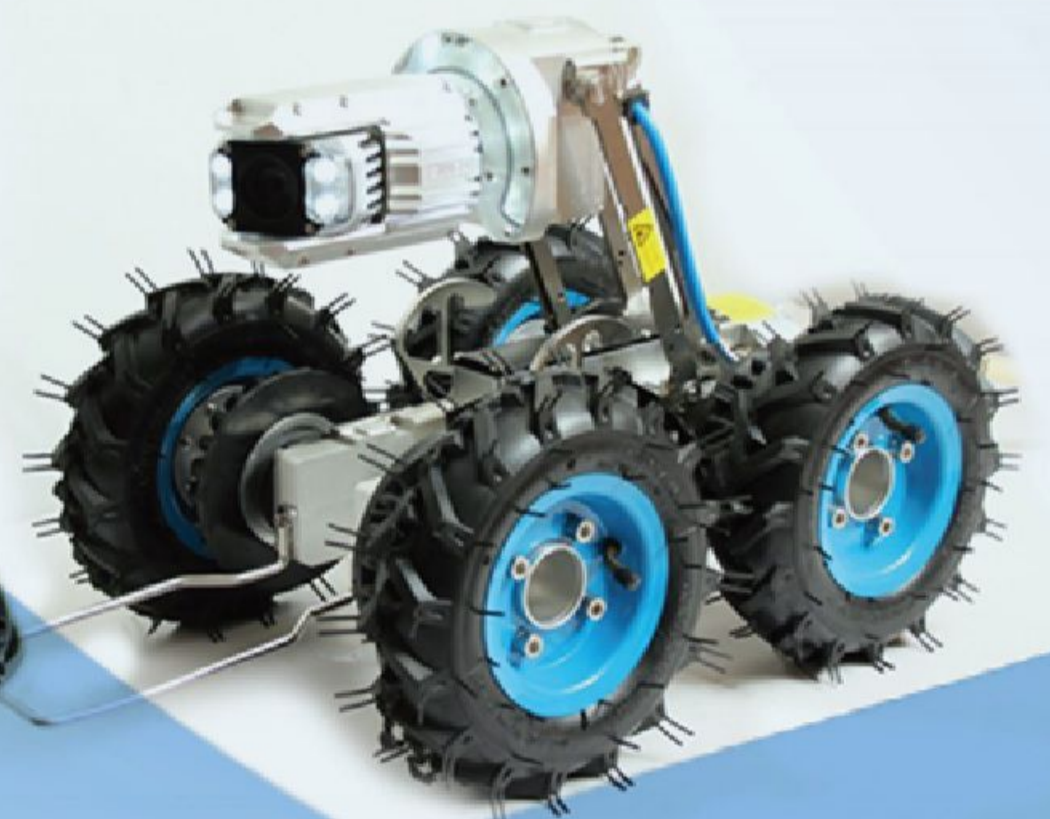
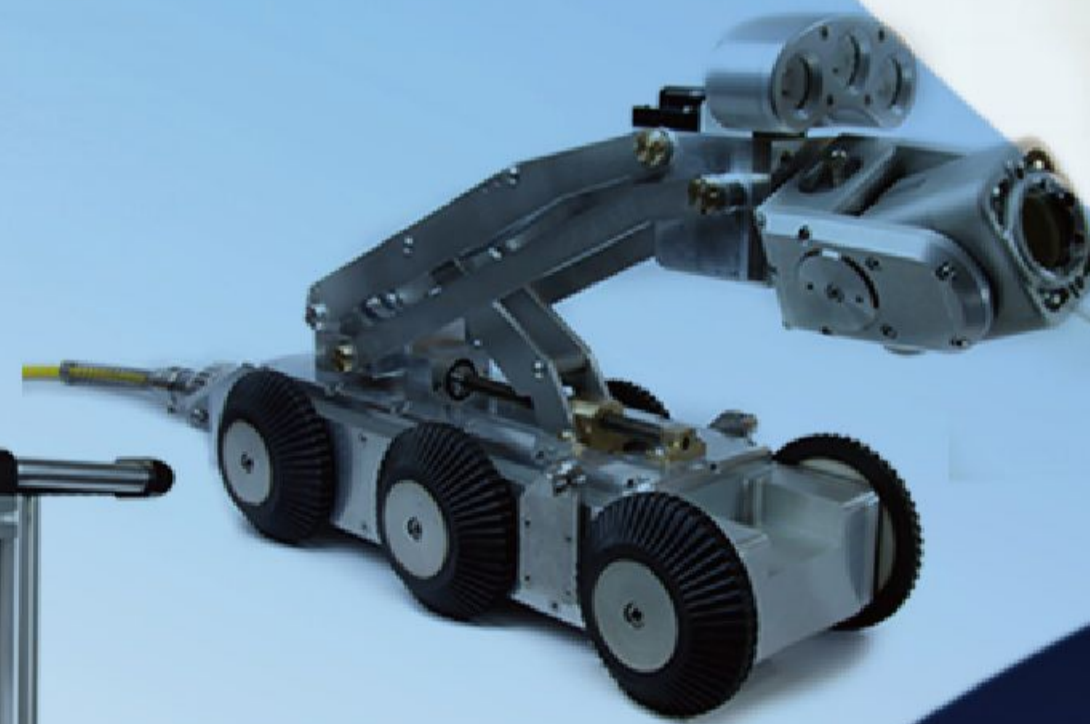
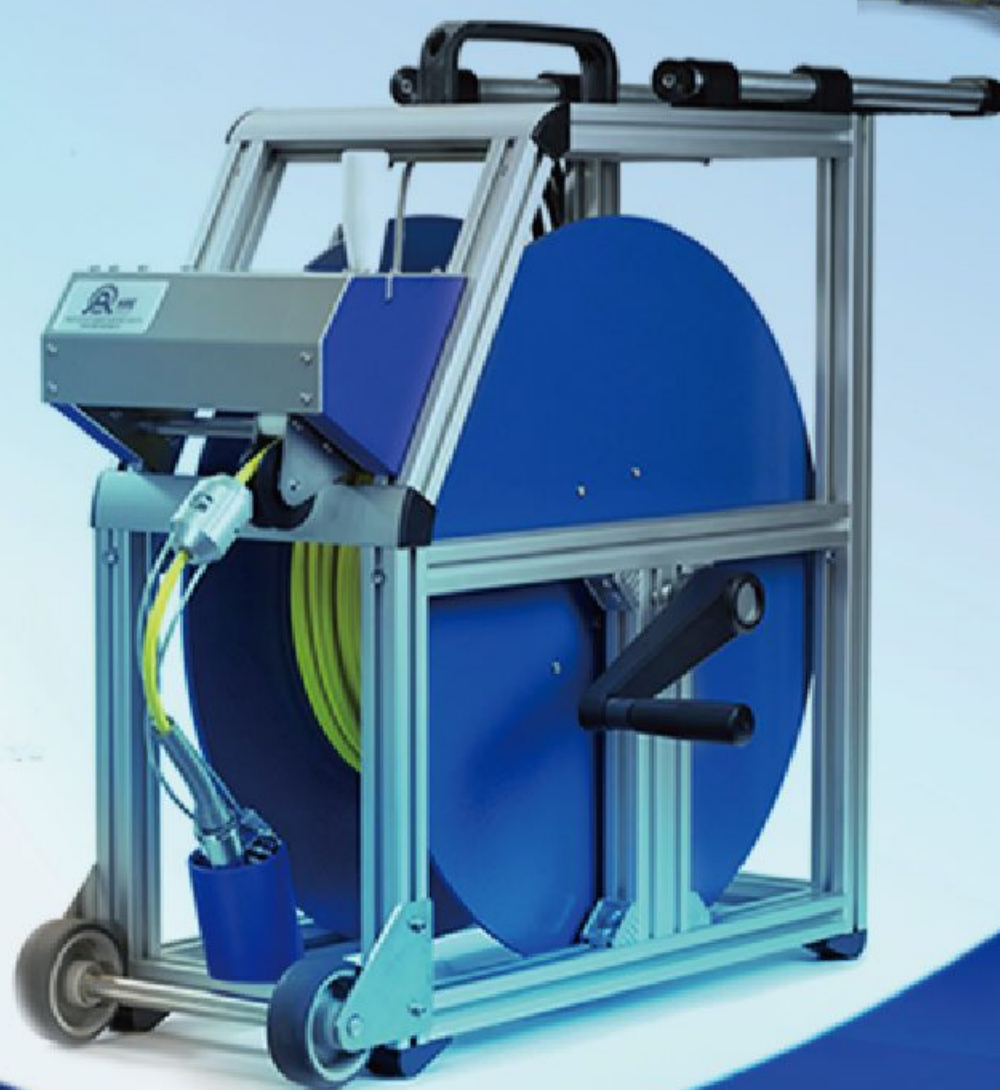
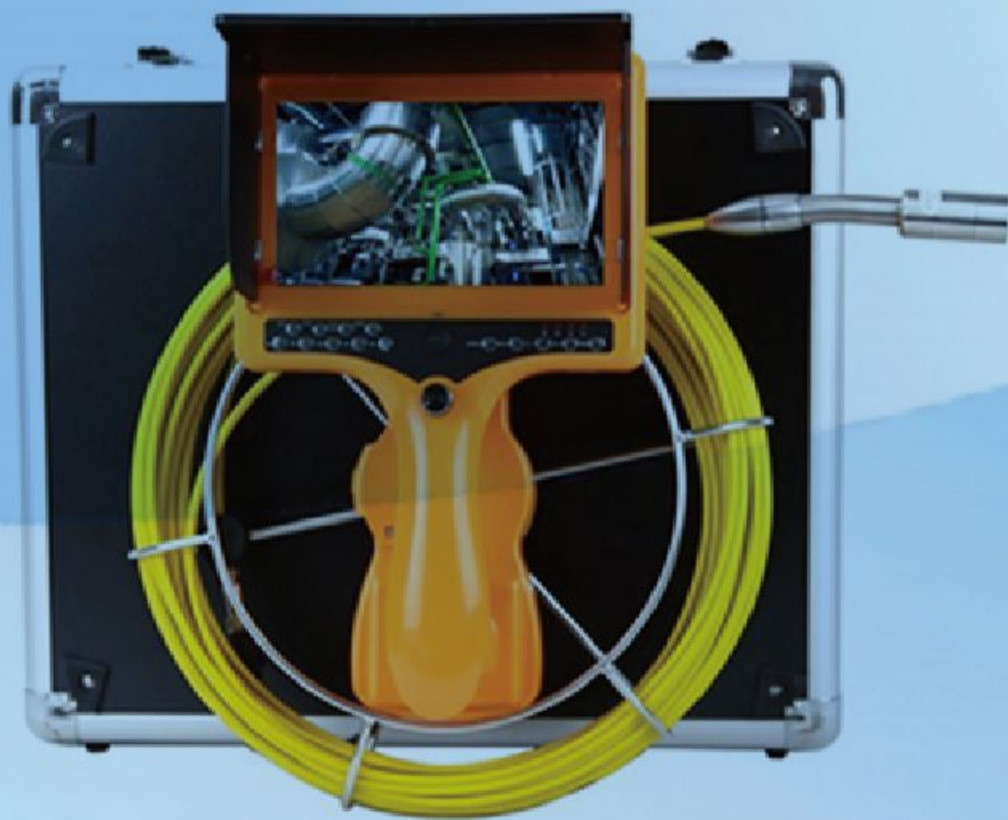
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