PRODUCT CATALOGUE

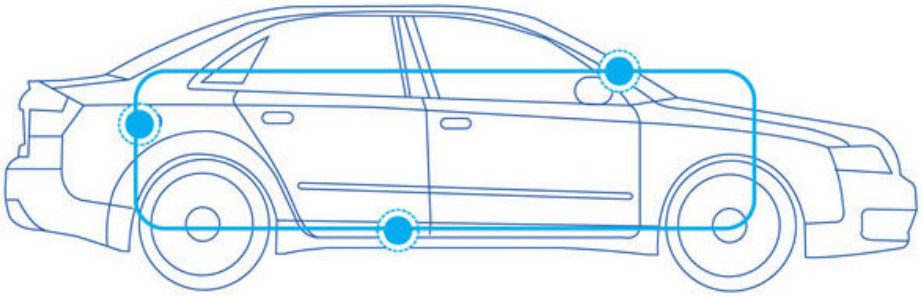
AFC

'23

Contents

CABLES

CABLE ASSEMBLIES



USB / POWER / CAMERA

USB/ POWER / CAMERA Connector

AVM System

AVM System Wire Harness

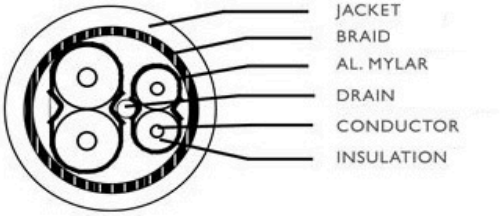
Around View System Cable

FAKRA

FAKRA Application

NMEA

ITEM		SPECIFICATION	
CONDUCTOR	AWG	24AWG	22AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	19/0.127±0.008mm	19/0.16±0.008mm
INSULATION	MIN.AVG.THICK	0.50mm	0.23mm
	MATERIAL	FM-PE	SR-PVC
	O.D	1.95±0.05mm	1.40±0.07mm
	NO.	1P+AL	1P+AL
JACKET	MIN.AVG.THICK	0.38mm	
	MATERIAL	HALF MATT PVC (OIL RESISTANT& RESISTANCE UV)	
	COLOUR	CL2-813 BLACK	
	OD	7.00±0.20mm	

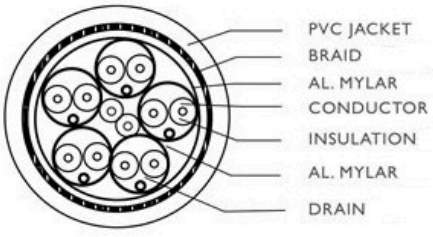


ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 75°C ;
2. Conductor Resistance: at 20°C MAX
22AWG: 55Ω/km; 24AWG: 93.25Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V
4. Dielectric Strength: AC 500V/1minute no breakdown.
5. Impedance: 120± 15Ω 1P*24AWG

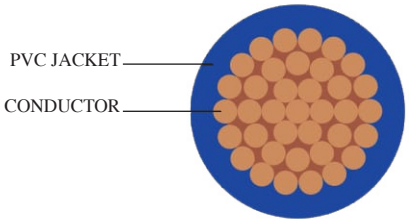
LVDS Cable

ITEM		SPECIFICATION	
CONDUCTOR	AWG	32AWG	32AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.08±0.008mm	7/0.08±0.008mm
INSULATION	MIN.AVG.THICK	1.15mm	0.10mm
	MATERIAL	FEP	FEP
	O.D	0.65±0.05mm	0.50 ± 0.05mm
	NO.	1P*5	2C
JACKET	MIN.AVG.THICK	0.51mm	
	MATERIAL	HALF MATT PVC	
	COLOUR	105°C-ABS201	
	OD	5.50±0.15mm	



ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 105°C ; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX 32AWG: 588.85Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20)
5. Impedance: Pairs(differential mode) 100±10Ω



FLY Single-conductor cable designed for electric installations in vehicles.
Automotive low voltage cable (FL) with insulation made of PVC (Y)
Conductor: Cu-ETP1 (acc. to EN13602), multi wire, flexible (acc. to ISO 6722-1)
Insulation: PVC, class B (acc. to ISO 6722-1)
Temperature range: -40°C ÷ +105°C
Standards: ISO 6722-1; ECE-R 118
Cables conform to the requirements of REACH Regulation and RoHS Directive.

FLRY-A/FLRY-B Single-conductor automotive cable designed for electric installations in vehicles.
Automotive low voltage cable (FL) with reduced thickness of insulation (R) made of PVC (Y), with regularly stranded conductor (A)
Automotive low voltage cable (FL) with reduced thickness of insulation (R) made of PVC (Y), with irregularly stranded conductor (B)
Conductor: Cu-ETP1 (acc. to EN13602), multi wire, flexible (acc. to ISO 6722-1
Insulation: PVC, class B (acc. to ISO 6722-1)
Temperature range: -40°C ÷ +105°C
Standards: ISO 6722-1; DIN 72551-6; ECE-R 118
Cables conform to the requirements of REACH Regulation and RoHS Directive.

FLY

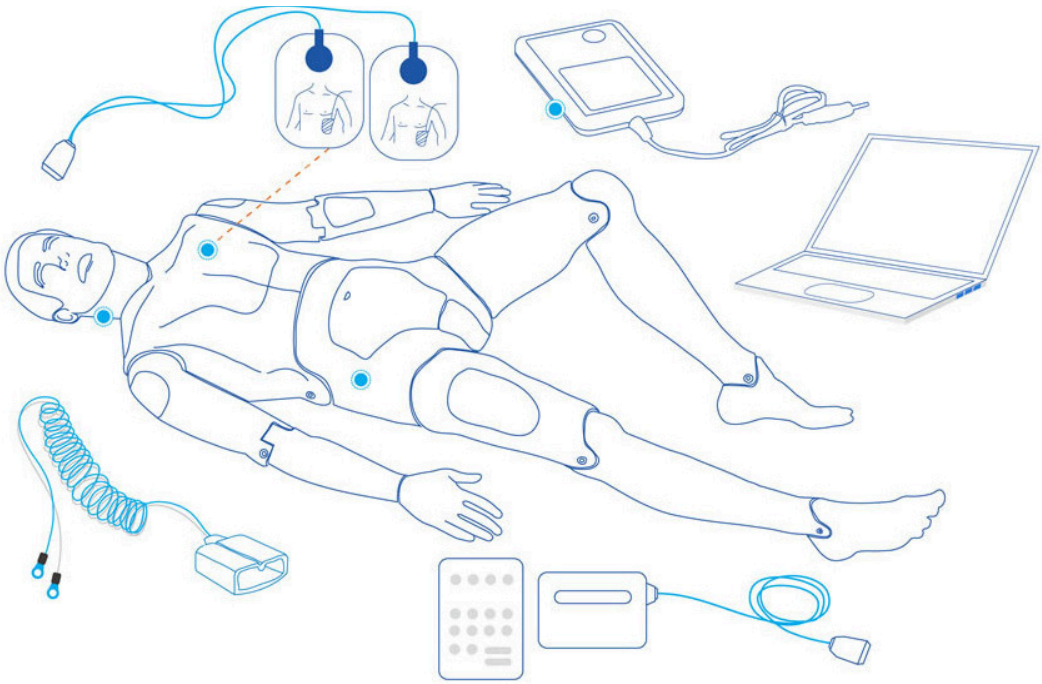
Number of conductors x Nominal cross-section	Conductor structure		Resistance at 20°C	Insulation thickness	Sheath thickness	Outer diameter of cable		Approximate weight of cable
	Number of wires	Single wire diameter						
		(max.)	(max.)	(nom.)	(nom.)	(min.)	(max.)	
mm²		mm	mΩ/m	mm	mm	mm	mm	kg/km
1 x 0,50	16	0,21	37,1	0,60	--	2,00	2,30	8,2
1 x 0,75	24	0,21	24,7	0,60	--	2,20	2,50	11,0
1 x 1,00	32	0,21	18,5	0,60	--	2,40	2,70	13,8
1 x 1,50	30	0,26	12,7	0,60	--	2,70	3,00	18,8
1 x 2,00	28	0,31	9,42	0,60	--	3,00	3,30	24,6
1 x 2,50	50	0,26	7,6	0,70	--	3,30	3,60	29,7
1 x 3,00	44	0,31	6,15	0,70	--	3,80	4,10	38,8
1 x 4,00	56	0,31	4,71	0,80	--	4,00	4,40	46,3
1 x 6,00	84	0,31	3,14	0,80	--	4,60	5,00	67,4
1 x 10,00	80	0,41	1,82	1,00	--	5,90	6,50	113,2
1 x 16,00	126	0,41	1,16	1,00	--	7,70	8,30	183,2
1 x 25,00	196	0,41	0,743	1,30	--	9,40	10,40	281,2
1 x 35,00	276	0,41	0,527	1,30	--	9,60	11,60	365,7
1 x 50,00	400	0,41	0,368	1,50	--	11,50	13,50	523,6
1 x 70,00	555	0,41	0,259	1,50	--	13,50	15,50	725,8
1 x 95,00	740	0,41	0,196	1,60	--	16,00	18,00	965,5
1 x 120,00	960	0,41	0,153	1,60	--	17,70	19,70	1241,9

FLRY-A

Number of conductors x Nominal cross-section	Conductor structure		Resistance at 20°C	Insulation thickness	Sheath thickness	Outer diameter of cable		Approximate weight of cable
	Number of wires	Single wire diameter						
		(max.)	(max.)	(nom.)	(nom.)	(min.)	(max.)	
mm²		mm	mΩ/m	mm	mm	mm	mm	kg/km
1 x 0,13	7	0,16	136	0,25	--	0,95	1,05	2,1
1 x 0,22	7	0,21	84,8	0,25	--	1,10	1,20	3,1
1 x 0,35	7	0,27	54,4	0,25	--	1,20	1,30	4,3
1 x 0,50	19	0,19	37,1	0,28	--	1,40	1,60	5,8
1 x 0,75	19	0,24	24,7	0,30	--	1,70	1,90	8,6
1 x 1,00	19	0,27	18,5	0,30	--	1,90	2,10	11,1
1 x 1,50	19	0,33	12,7	0,30	--	2,20	2,40	15,6
1 x 2,00	19	0,38	9,42	0,35	--	2,50	2,80	21,0
1 x 2,50	19	0,41	7,6	0,35	--	2,70	3,00	25,3

FLRY-B

Number of conductors x Nominal cross-section	Conductor structure		Resistance at 20°C	Insulation thickness	Sheath thickness	Outer diameter of cable		Approximate weight of cable
	Number of wires	Single wire diameter						
		(max.)	(max.)	(nom.)	(nom.)	(min.)	(max.)	
mm²		mm	mΩ/m	mm	mm	mm	mm	kg/km
1 x 0,35	12	0,21	54,4	0,25	--	1,20	1,40	4,3
1 x 0,50	16	0,21	37,1	0,28	--	1,40	1,60	5,8
1 x 0,75	24	0,21	24,7	0,30	--	1,70	1,90	8,7
1 x 1,00	32	0,21	18,5	0,30	--	1,90	2,10	11,2
1 x 1,50	30	0,26	12,7	0,30	--	2,20	2,40	15,9
1 x 2,00	28	0,31	9,42	0,35	--	2,50	2,80	21,3
1 x 2,50	50	0,26	7,6	0,35	--	2,70	3,00	26,4
1 x 3,00	44	0,31	6,15	0,40	--	3,10	3,40	33,5
1 x 4,00	56	0,31	4,71	0,40	--	3,40	3,70	41,5
1 x 5,00	65	0,33	3,94	0,40	--	3,90	4,20	52,3
1 x 6,00	84	0,31	3,14	0,40	--	4,00	4,30	61,6
1 x 8,00	112	0,31	2,38	0,40	--	4,60	5,00	82,4
1 x 10,00	80	0,41	1,82	0,60	--	5,30	6,00	109,9
1 x 16,00	126	0,41	1,16	0,65	--	6,40	7,20	161,5
1 x 25,00	196	0,41	0,743	0,65	--	7,90	8,70	257,6
1 x 35,00	276	0,41	0,527	0,80	--	9,40	10,40	355,2
1 x 40,00	308	0,41	0,473	0,90	--	10,00	11,10	387,8
1 x 50,00	400	0,41	0,368	0,90	--	11,00	12,20	495,1
1 x 70,00	555	0,41	0,259	1,00	--	13,00	14,40	698,8

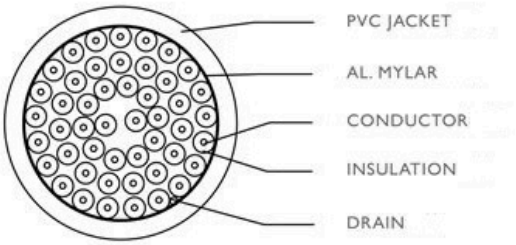


PATIENT SIMULATOR

MEDICAL DEVICE and SIGNAL TRANSMISSION CABLE

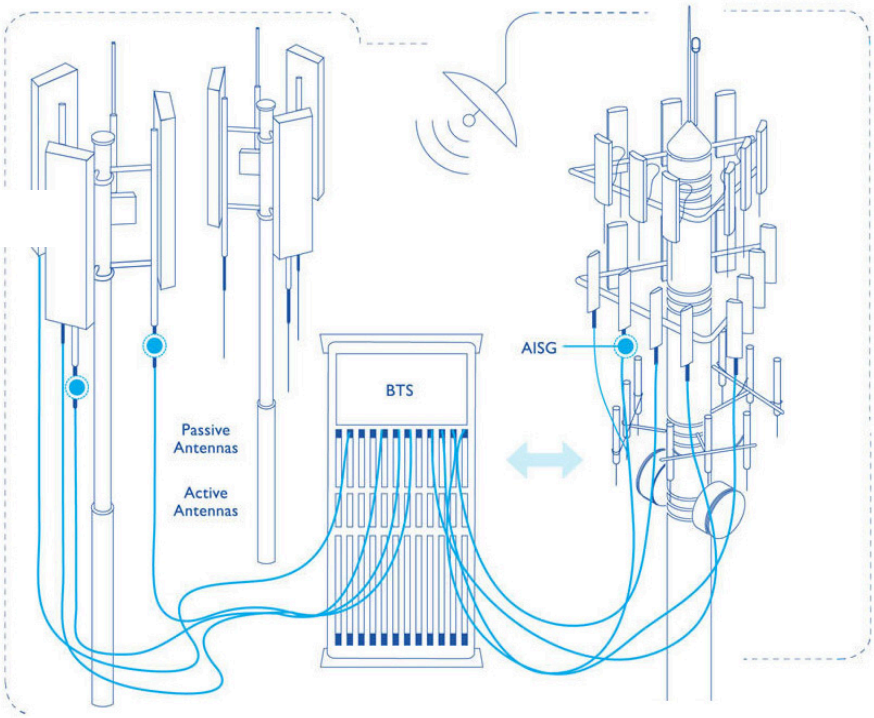
Medical Auto Bed Control Cable

ITEM		SPECIFICATION
CONDUCTOR	AWG	28AWG
	MATERIAL	TINNED COPPER
	COND.SIZE	7/0.127mm
INSULATION	MIN.AVG.THICK.	0.23mm
	MATERIAL	SR-PVC
	O.D	0.85±0.05mm
	NO.	48C
JACKET	MIN.AVG.THICK.	0.76mm
	MATERIAL	MATT PVC
	COLOUR	UL60129/110P
	OD	9.00 ± 0.15mm



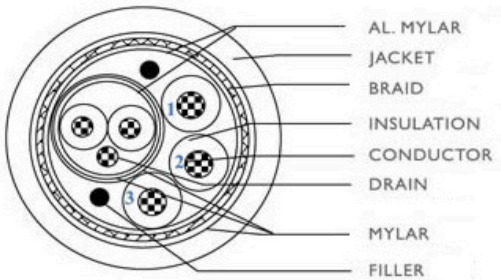
ELECTRICAL CHARACTERISTICS

1. Conductor Resistance: at 20°C MAX 28AWG: 237.25Ω/km



RET AISG Cable

ITEM		SPECIFICATION	
CONDUCTOR	AWG	24AWG(0.2mm2)	18AWG(0.85mm2)
	MATERIAL	BARE COPPER	BARE COPPER
	COND.SIZE	20/0.12±0.008mm	34/0.18±0.008mm
INSULATION	AVG.THICK.	0.62mm	0.35mm
	MATERIAL	XL-PE(-50+80°C)	XL-PE(-50+80°C)
	O.D	1.90±0.10mm	1.91±0.10mm
JACKET	AVG.THICK.	0.90mm	
	MATERIAL	MATT XL-PE(-50+80°C)	
	COLOUR	BLACK	
	OD	8.40± 0.20mm	



ELECTRICAL CHARACTERISTICS

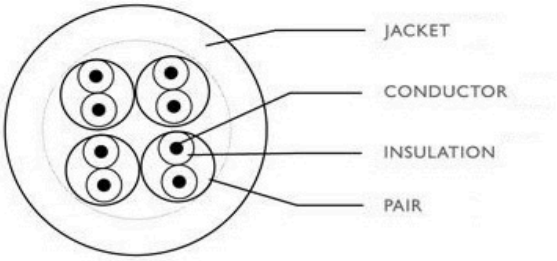
1. Conductor Resistance: at 20°C MAX 0.2mm2: 85.1Ω/km; 0.85mm2: 22.2Ω/km;
2. Voltage Withstanding: 0.85 mm2:AC 500V/1minute no breakdown; 0.20 mm2:AC 1000V/1minute no breakdown;
3. Impedance:120±20%Ω

Low Loss Coaxial Cable

TYPE	Conductor		Insulation		Braid Shield			Jacket		Nom. Imped	Product spec
	No./mm	MTRL	mm	MTRL	No./mm	No./mm	MTRL	mm	MTRL	OHM	——
CSL-100	1/0.46	CCS	1.50	XL-PE	——	95%	TC	2.8	PVC	50	100 spec
CSL-195	7/0.32	BC	2.79	FM-PE	——	95%	TC	4.95	PVC	50	195 spec
CSL-200	1/1.05	BC	2.97	FM-PE	——	85%	TC	5.0	PVC	50	200 spec
CSL-240	1/1.42	BC	3.81	FM-PE	——	90%	TC	6.1	PVC	50	240 spec

LAN Cable

ITEM		SPECIFICATION
CONDUCTOR	AWG	24AWG
	MATERIAL	BARE COPPER
	COND.SIZE	1/0.527 ± 0.02mm
INSULATION	MIN.AVG.THICK	0.15mm
	MATERIAL	HD-PE
	O.D	0.92±0.05mm
	NO.	4P
JACKET	MIN.AVG.THICK	0.38mm
	MATERIAL	HALF MATT PVC(TUBE)
	COLOUR	
	O.D	5.50 ± 0.20mm

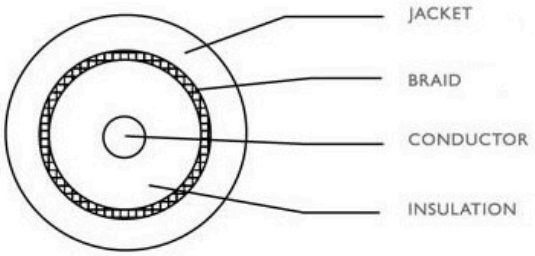


ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 60°C; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX 24AWG: 93.25Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1minute no breakdown.(EIA-364-20)

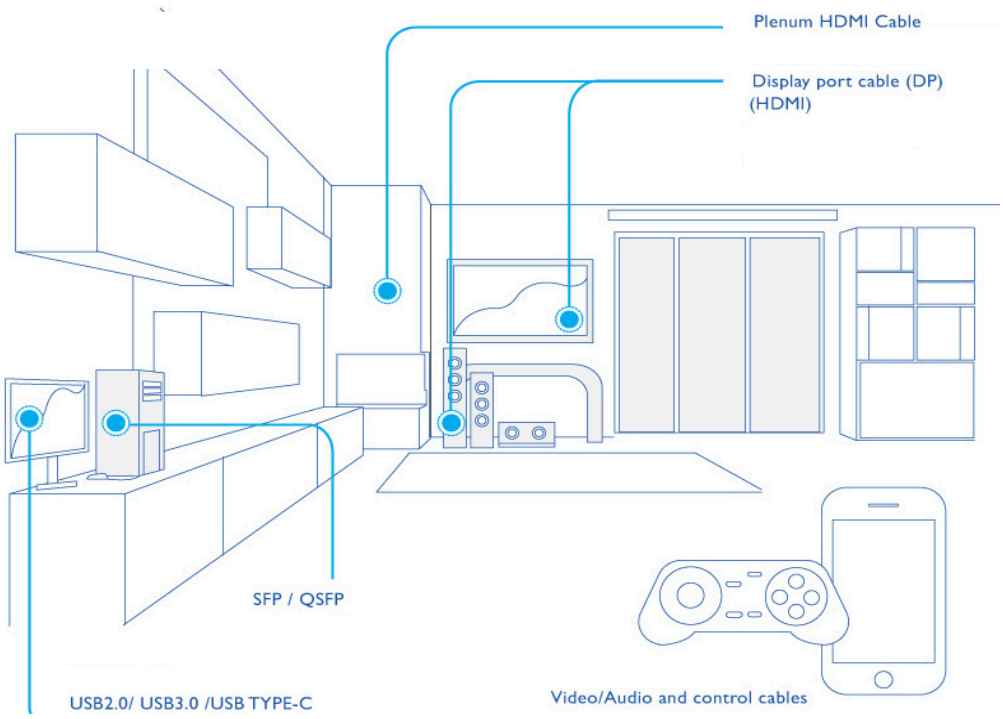
RG Type

ITEM		SPECIFICATION
CONDUCTOR	AWG	26AWG
	MATERIAL	BARE COPPER
	COND.SIZE	7/0.165±0.005mm
INSULATION	MIN.AVG.THICK	0.45mm
	MATERIAL	XL-PE
	O.D	1.55±0.07mm
	NO.	1C
JACKET	MIN.AVG.THICK	0.38mm
	MATERIAL	HALF MATT PVC
	COLOUR	BLACK
	O.D	2.80 ± 0.15mm



ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX 26AWG: 148.94Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V
4. Dielectric Strength: AC 500V/1 minute no breakdown.
5. Impedance: 50±5Ω at TDR
6. Capaciatance: 30.8pf/ft(nominal.)
7. Attenuation: at 100Hz 8.4dB/100ft; at 200Hz 12.5dB/100ft at 400Hz 19.0dB/100ft; at 900Hz 31.0dB/100ft at 1.0GHz 34.0dB/100ft; at 1.8GHz 49.4dB/100ft at 2.34GHz 53.0dB/100ft(nominal.)

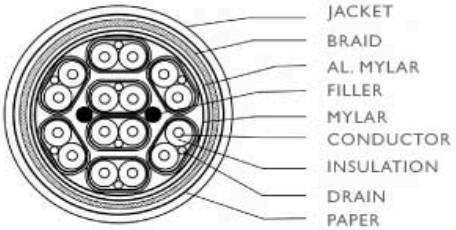


QSFP Cable

ITEM		SPECIFICATION
CONDUCTOR	AWG	28AWG
	MATERIAL	TINNED COPPER
	COND.SIZE	1/0.32±0.01mm
INSULATION	MIN.AVG.THICK	0.20mm
	MATERIAL	FM-PE+SKIN
	O.D	0.90±0.07mm
JACKET	MIN.AVG.THICK	0.51mm
	MATERIAL	MATT PVC
	COLOUR	UL813 BLACK
	O.D	7.30± 0.15mm

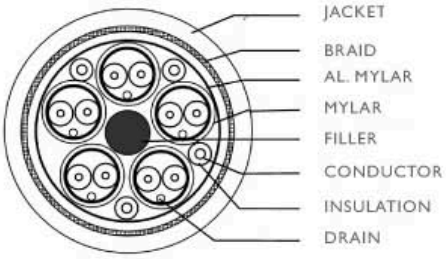
ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C : VOLTAGE 30V
2. Conductor Resistance: AT 20°C MAX 28AWG: 237.25 Ω/km
3. Impedance: Differential 100 ± 10Ω Common mode 25~40 Ω
4. Cable pair Match Impedance: < 5 Ω
5. Intra pair Skew : <20ps/m
6. Attenuation : < 6dB/m @10~4500MHz
7. Delay : < 5.05ns/m



Display Port

ITEM		SPECIFICATION	
CONDUCTOR	AWG	28AWG	28AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.127±0.008mm	7/0.127±0.008mm
INSULATION	MIN.AVG.THICK	0.25mm	0.15mm
	MATERIAL	FM-PE+SKIN	HD-PE
	O.D	0.97±0.05mm	0.75±0.05mm
	NO.	1P*5	4C
JACKET	MIN.AVG.THICK	0.51mm	
	MATERIAL	MATT PVC	
	COLOUR	UL813 BLACK	
	O.D	7.30± 0.15mm	



ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 80°C ; VOLTAGE 30V
2. Conductor Resistance: at 20°C MAX 28AWG: 237.25Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20)
5. Impedance: Pairs(differential mode) 100±5Ω
6. Propagation Delay: 4.50 ns/m (nom)
7. Propagation Delay Skew: Intra pair Max 50ps/cable
   Inter pair Max 4000ps/cable
8. Attenuation(max): 2.44 dB @100MHz; 5.09 dB @450MHz 6.14dB @1GHz; 9.08dB @ 2GHz; 12.58dB @ 3GHz; 16.36dB @4GHz; 20.32dB@ 5GHz; 24.41dB@ 6GHz; 33.28dB @ 8.1GHz
9. Return Loss(min): 15.00 @100~675MHz;12.90 @1GHz; 9.20 @ 2GHz; 7.04 @ 3GHz; 5.50 @ 4GHz ; 4.31 @ 5GHz; 3.33@ 6GHz ;2.51 @ 7GHz; 1.73dB @ 8.1GHz
10. NEXT(max): -26dB @0.1~1.35GHz; -23.44dB @2GHz, -20.80dB @3GHz; -18.93dB @4GHz; -17.48dB @5GHz; -16.29dB @6GHz; -15.28dB @7GHz; -14.32dB @8.1GHz
11. FEXT: -20dB/cable @100~8100MHz (max)

USB USB3.1 Cable

ITEM		SPECIFICATION			
CONDUCTOR	AWG	30AWG	32AWG	26AWG	34AWG
	MATERIAL	Silver-Coated COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.10±0.008mm	7/0.10±0.008mm	37/0.08±0.008mm	7/0.06±0.008mm
INSULATION	AVG.THICK	0.20mm	0.08mm	0.10mm	0.10mm
	MATERIAL	FEP	HD-PE	HD-PE	HD-PE
	O.D	0.80±0.05mm	0.40±0.05mm	0.80±0.05mm	0.45±0.05mm
JACKET	MIN.AVG.THICK	0.23mm			
	MATERIAL	MATT PVC			
	COLOUR	UL813 BLACK			
	O.D	4.80± 0.15mm			

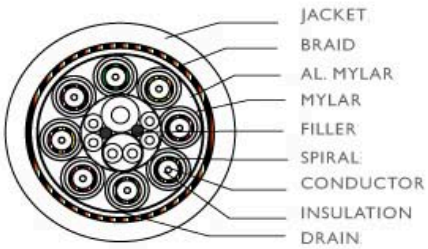
ELECTRICAL CHARACTERISTICS - USB2.0 UTP

1.Rating Temperature: 80°C Voltage: 30V
2.Conductor Resistance: at 20°C max 34AWG: 1000Ω/km;
26AWG: 148.94Ω/km30AWG: 376.96Ω/km; 32AWG:588Ω/km
3.Insulation resistance: DC-500V 10MΩ-KM MIN at 20°C
4.Propagation Delay Skew:100ps (Full-/High-speed only)
5.Time Delay: 5.2 ns/m (max.)
6.Impedance: 90±15%Ω
7.Attenuation(Full/High-speed only):

F(MHz)	Attenuation (dB)	F(MHz)	Attenuation (dB)	F(MHz)	Attenuation (dB)	F(MHz)	Attenuation (dB)
0.064	0.08	1	0.20	24	0.95	400	5.80
0.256	0.11	4	0.39	48	1.35		
0.512	0.13	8	0.57	96	0.90		
0.772	0.15	12	0.76	200	3.20		

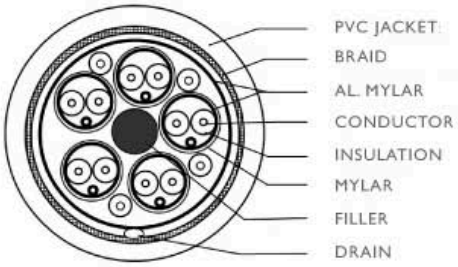
ELECTRICAL CHARACTERISTICS - USB3.1 STP*2P

1.Differential Impedance: 90±5Ω
2.Intra-Pair Skew : 10ps / m
3.Attenuation/Insertion Loss:
-2 @0.1GHz/cable
-4 @2.5GHz/cable
-6 @5GHz/cable
-11 @10GHz/cable
-20 @15GHz/cable
7. Differential to common mode:20dB/cable @ 0.1~10GHz



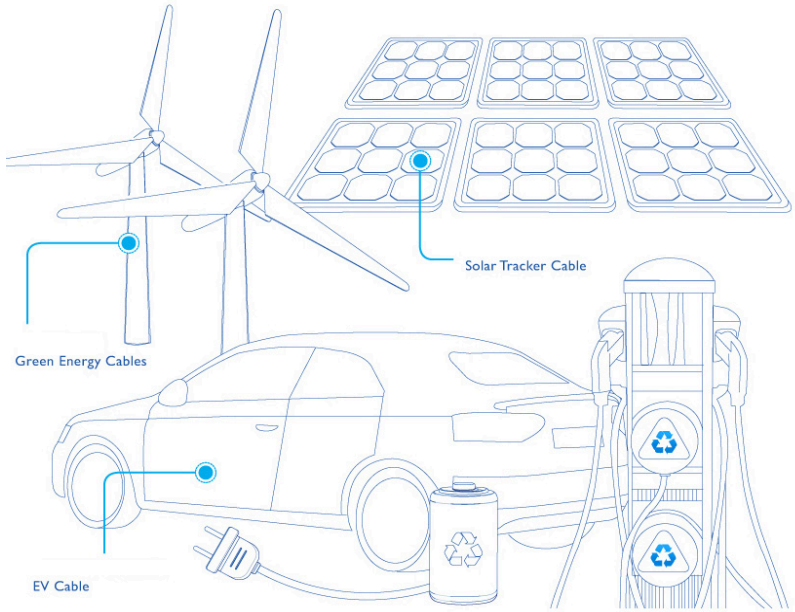
HDMI

ITEM		SPECIFICATION	
CONDUCTOR	AWG	28AWG	28AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.127±0.008mm	7/0.127±0.008mm
INSULATION	MIN.AVG.THICK	0.25mm	0.18mm
	MATERIAL	FM-PE+SKIN	HD-PE
	O.D	0.97±0.05mm	0.75±0.05mm
	NO.	1P*5	4C
JACKET	MIN.AVG.THICK	0.51mm	
	MATERIAL	HALF MATT PVC	
	COLOUR	CL2-813 BLACK	
	O.D	7.30± 0.15mm	



ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 75°C ;
2. Conductor Resistance: at 20°C MAX 28AWG:237.25Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20)
5. Impedance: Pairs(differential mode) 100±10Ω
6. Propagation Delay Skew: Intra pair Max 111ps/cable
   Inter pair Max 1.78ns/cable
7. Attenuation(max): at 0.30~825MHz 5dB/3.5M; at 825~2475MHz 12dB/3.5M; at 2475~4125MHz 20dB/3.5M; at 4125~5100MHz 25dB/3.5M;
8. FEXT: 20dB/cable @1~5000MHz (max)
9. HEAC: (1.) Impedance: Pairs(differential mode) 100±10Ω
   Pairs (Common Mode) 30±6Ω
   (2.)Attenuation(max): at 0.30~10MHz 1.6dB/3.5M;
   at 10~100MHz 5dB/3.5M; at 100~200MHz 7.1dB/3.5M;
   (3.) Propagation Delay Skew: Intra pair Max 111ps/cable

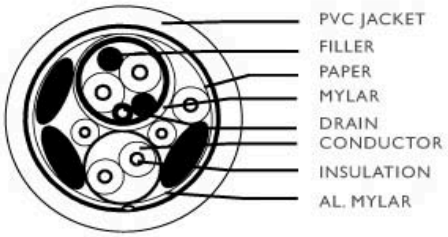


Solar Tracker Cable

ITEM		SPECIFICATION			
CONDUCTOR	AWG	24AWG	20AWG	24AWG	20AWG
	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.20±0.008mm	21/0.18±0.008mm	7/0.20±0.008mm	21/0.18±0.008mm
INSULATION	MIN.AVG.THICK	0.65mm	0.23mm	0.23mm	0.23mm
	MATERIAL	XL-PE	105°C PVC	105°C PVC	105°C PVC
	O.D	2.00±0.05mm	1.50±0.07mm	1.10±0.05mm	1.50±0.07mm
	NO.	1P	1P	2C	1C
JACKET	MIN.AVG.THICK	0.76mm			
	MATERIAL	HALF MATT PVC (RESISTANCE UV)			
	COLOUR	UL813 BLACK COLD RESISTANCE-40°C~105°C			
	O.D	9.60 ± 0.20mm			

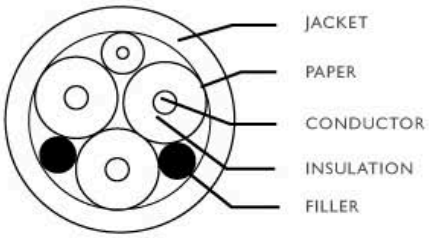
ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 105°C ; VOLTAGE 300V
2. Conductor Resistance: at 20°C MAX
   24AWG: 93.25Ω/km; 20AWG: 34.6Ω/km
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20)
5. Impedance: 120±15Ω



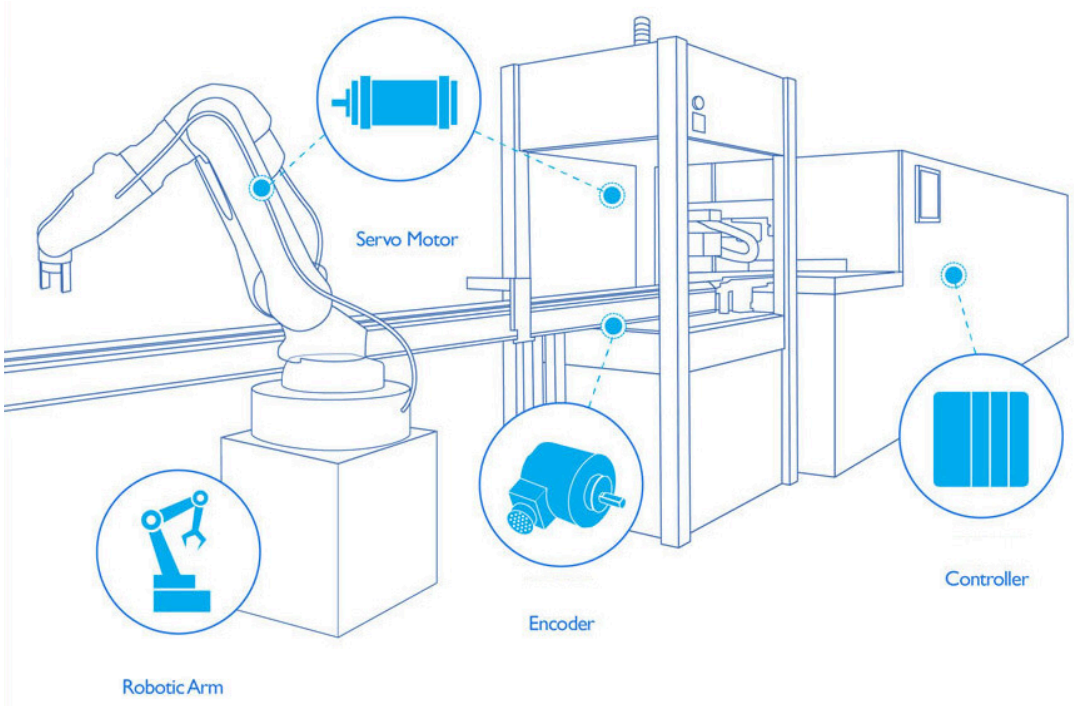
EV Cable

ITEM		SPECIFICATION	
CONDUCTOR	AWG	10AWG	18AWG
	MATERIAL	BARE COPPER	BARE COPPER
	COND.SIZE	168/0.20±0.008mm	41/0.16±0.008mm
INSULATION	MIN.AVG.THICK	1.14mm	0.76mm
	MATERIAL	TPE (65A)	TPE (65A)
	O.D	5.30±0.15mm	2.70±0.10mm
	NO.	3C	1C
JACKET	MIN.AVG.THICK	2.41mm	
	MATERIAL	TPE (65A) COLD RESISTANCE-40°C~105°C	
	COLOUR	BLACK	
	OD	16.70 ± 0.20mm	



ELECTRICAL CHARACTERISTICS

1. Rating : TEMP 105°C; VOLTAGE 600V
2. Conductor Resistance: at 20°C MAX
   10AWG: 3.4Ω/km; 18AWG: 21.8Ω/km;
3. Insulation Resistance: 10MΩ-km min at 20°C dc 500V.(EIA-364-21)
4. Dielectric Strength: DC 2000V/1minute no breakdown



ENCODER / SERVO MOTOR

Flex rating	>10 million times
Bending radius	7.2R
Temperature rating	- 40°C ~105°C
Voltage rating	600V
Flame retardant rating	VW-1

Motor

Encoder cable

Encoder cable

CONTROLLER

Temperature rating	-20°C~80°C
Voltage rating	300V
Flame retardant rating	VW-1

Power cabinet cable

PCL control cabinet cable

4-axis electric control cabinet cable

ROBOTIC ARM

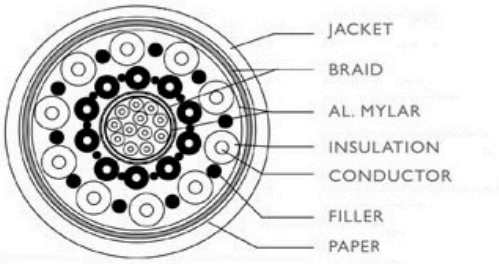
Torsion rating	>10 million times
Angle of twist	±90°
Load weight	10KG
Stroke setting	40 time/per min.
Voltage rating	30V
Temperature rating	- 40°C~105°C
Conductor	copper alloy / Jacket ETFE
Flame retardant rating	VW-1

Four-axis Robotic arm cable

Four-axis Robotic arm

Robot Cable

ITEM		SPECIFICATION		
CONDUCTOR	AWG	18AWG(1mm2)	14AWG(2.5mm2)	10AWG(6mm2)
	MATERIAL	BARE COPPER	BARE COPPER	BARE COPPER
	COND.SIZE	128/0.10±0.010mm	320/0.10±0.010mm	760/0.10±0.010mm
INSULATION	AVG.THICK	0.23mm	0.23mm	0.50mm
	MATERIAL	POLYESTER	POLYESTER	POLYESTER
	O.D	2.00±0.15mm	3.00±0.20mm	4.80±0.25mm
JACKET	MATERIAL	TPU(-40+80°C)(Oil Resist)		
	COLOUR	BLACK		
	OD	27.50±0.50mm		

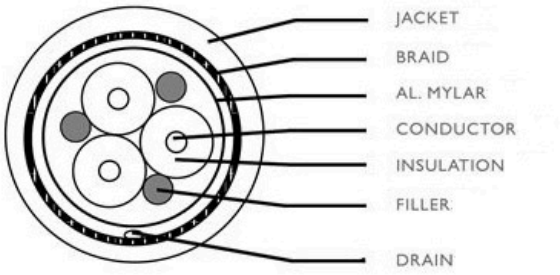


ELECTRICAL CHARACTERISTICS

1.Rating :TEMP-30°C~80°C
2.Voltage 600V/1000V
3.Conductor Resistance : at 20°C(MAX) 18AWG <23.5Ω/KM; 14AWG<9.25Ω/KM 10AWG<3.62Ω/KM
4.Dielectric Strength: 4000V/1minute conductor to conductor no breakdown.
5. Insulation Resistance: 10MΩ-km min at 20°C dc 500V

Flexible Cable

ITEM		SPECIFICATION
CONDUCTOR	AWG	20AWG
	MATERIAL	TINNED COPPER
	COND.SIZE	20/0.18±0.008mm
INSULATION	MIN.AVG.THICK.	0.65mm
	MATERIAL	FM-PE+SKIN
	O.D	2.40±0.10mm
	NO.	3C
JACKET	MIN.AVG.THICK.	0.76mm
	MATERIAL	HALF MATT PVC COLD RESISTANCE-20°C
	COLOUR	UL813 BLACK OIL RESISTANT
	OD	7.60 ± 0.20mm

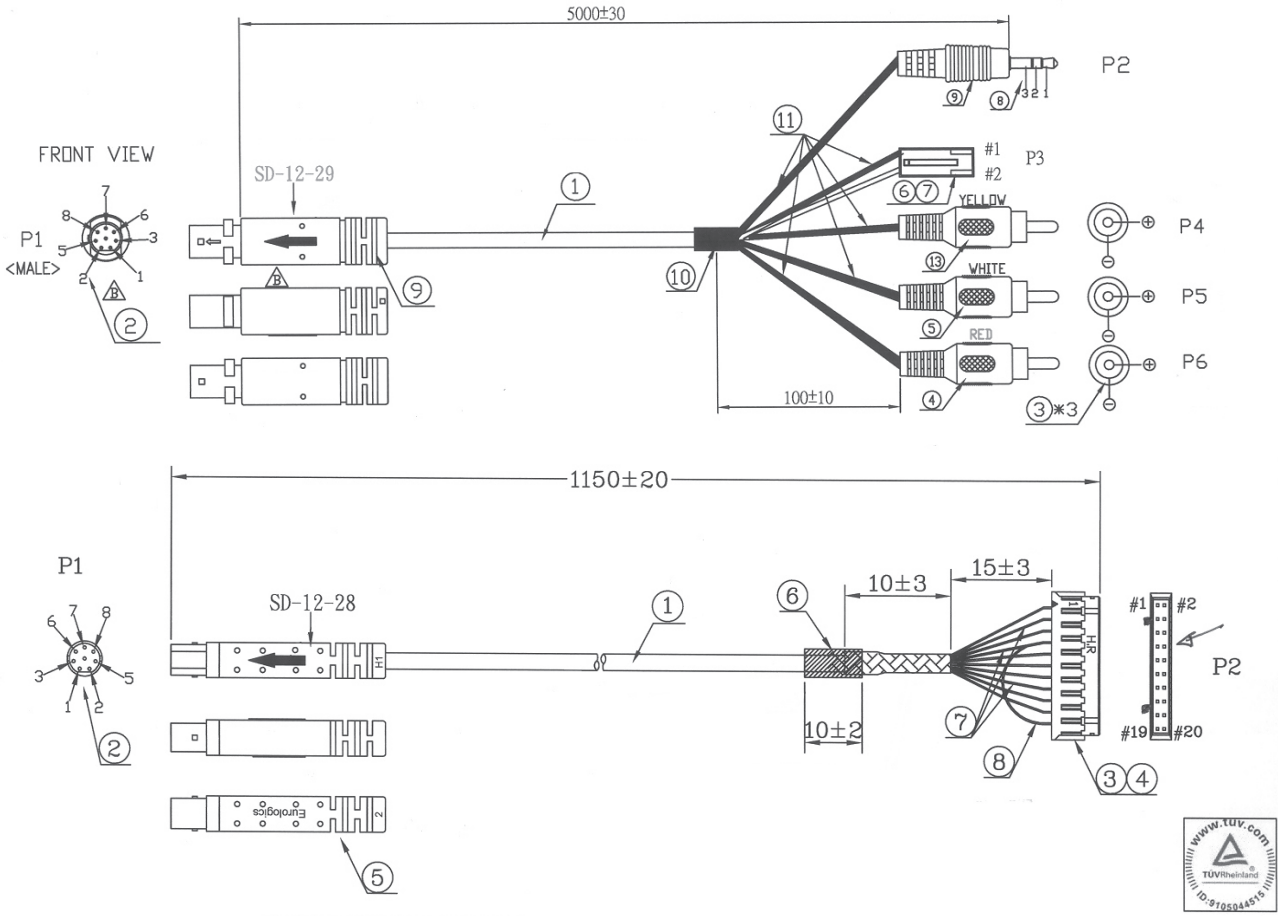


ELECTRICAL CHARACTERISTICS

1. Conductor Resistance: at 20°C MAX 20 AWG:34.6 W/km;
2. Insulation Resistance: 2500MW-km min at 20°C dc 500V.(EIA-364-21)
3. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20)
4.Impedance:110±15W@1MHZ

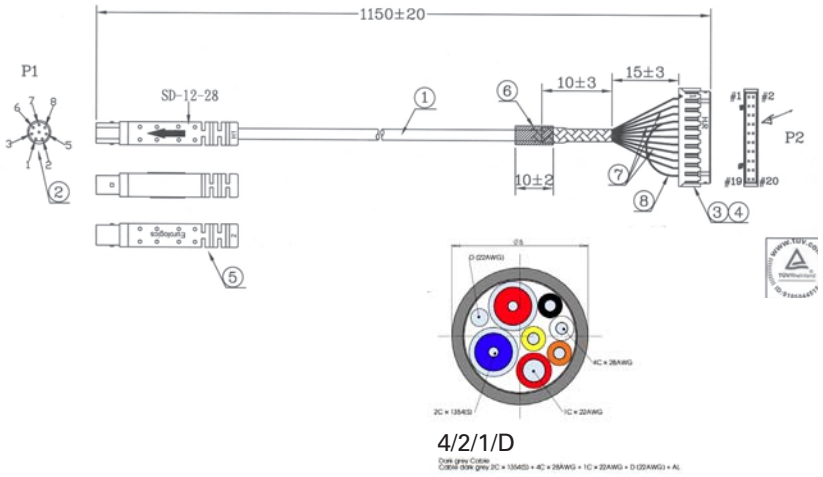
Wire To Pcb Connector - Board To Board Connector

Drawing wire Harness



Production wire harnesses

Molded connector



4/2/1/D

DR008

DR003

DR009

Our commitment

We are committed to delivering excellent quality with an ultra-minimum failure at a very competitive price against the latest state of the art. We require flexibility and a co-partner attitude. Everything within a framework of pleasant long-term cooperation in which agreements are followed.

Directorate AFC:
Grygory Muravlenko
Ing. Bartholomeus Scholte

AFC B.V. Smederijstraat 2 - 4814 DB Breda - The Netherlands
Mail to: info@atlanticflexcable.com Website: atlanticflexcable.com
Tel: +31 6 25321520