



Wires, Cables & Cords



INDUSTRIAL CABLES



*Reliable Connections helping
Electrify your Future*



Wires, Cables & Cords



Deltacab Cables

Established in the **year 1989**, as a family business company, Deltacab started with the manufacturing of Single Core Wires and Multicore Power Cables. At Deltacab, we ensure staying close to customers and markets, maintaining our innovative strength, brand quality and being a reliable cable solutions supplier. Mutual Respect and Good Relations are key elements of our company culture. We are constantly developing our cable products and solutions, adhering to standards in safety, quality and functionality. We aspire to become one of the world's leading designer and manufacturer of Wide range of Cable Solutions.

As a family-owned business, we understand the importance of customer relationships and it is very important for us to understand customer's problems and find innovative and bold cable solutions for them. In today's competitive world, providing higher value and customized tailor-made solutions is imperative and we, at Deltacab, follow and adhere to it. We have **over 35 years of experience** and expertise in manufacturing Wires, Cables and Cabling Solutions. We manufacture all of our products ourselves.



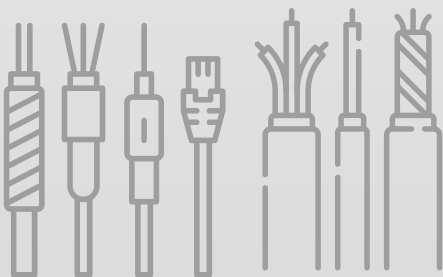


Wires, Cables & Cords

Deltacab is into manufacturing of all types of cables such as

**Multicore Industrial Cables
Control Cables
Instrumentation Cables
Bus Cables & Data Cables
Coaxial Cables
LAN Cables
Servo Cables
Fire Performance Cables
Customized Cables**

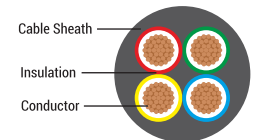
Cables are used in the production machinery, plant automation, control instrumentation systems, security and surveillance systems, renewable energy automation, EV charging systems, home automation, IT infrastructure, Marine Off Shore applications and much more.



Multicore Industrial Flexible Cables

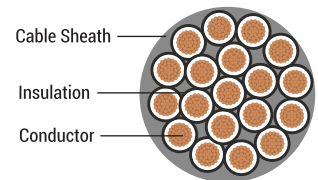
Deltacab is into manufacturing supreme quality Multicore Industrial Flexible Cable with pure electrolytic grade copper conductors and specially formulated PVC. The sheathing material provides resistance to oil & moisture and gives the cable superior mechanical strength without losing its flexibility. These cables are also available with HRRF and FR-LSH Sheathing

Product Code	Nominal Cross Section Area of Conductor	Number / Nom. Dia. of Cond	Nominal Insulation Thickness	Nominal Sheath Thickness			Approx. Overall Diameter			Current Rating	Voltage Drop/Amp/Meter		Max. Conductor Resistance per KM at 20°C
				2 Core	3 Core	4 Core	2 Core	3 Core	4 Core		DC or Single Phase AC	3 Phase AC	
	sqmm	mm	mm	mm	mm	mm	mm	mm	mm	Amps	mV	mV	Ohms
DEIMC05	0.5	16/0.20	0.6	0.9	0.9	0.9	6.2	6.5	7.0	4	83	72	39.0
DEIMC07	0.75	24/0.20	0.6	0.9	0.9	0.9	6.6	6.9	7.5	7	56	48	26.0
DEIMC01	1.00	32/0.20	0.6	0.9	0.9	0.9	6.9	7.3	7.9	11	43	37	19.5
DEIMC15	1.5	30/0.25	0.6	0.9	0.9	1.0	7.4	7.8	8.7	13	31	26	13.3
DEIMC25	2.5	50/0.25	0.7	1.0	1.0	1.0	8.8	9.4	10.2	18	18	16	7.98
DEIMC04	4.0	56/0.30	0.8	1.0	1.0	1.0	10.2	10.9	11.9	24	11	9.6	4.95
DEIMC06	6.00	84/0.30	0.8	1.1	1.1	1.2	11.5	12.2	13.6	31	8	7	3.30



Product Code	Nominal Cross Section Area of Conductor	Number / Nom. Dia. of Cond	Nominal Insulation Thickness	Nominal Sheath Thickness					Approx. Overall Diameter					Max. Conductor Resistance per KM at 20°C
				5 Core	6 Core	7 Core	8 Core	10 Core	5 Core	6 Core	7 Core	8 Core	10 Core	
	sqmm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Ohms
DEIMC05	0.5	16/0.20	0.6	0.9	0.9	0.9	1	1	7.8	8.2	8.2	9.4	11.0	39
DEIMC07	0.75	24/0.20	0.6	0.9	1	1	1	1.1	8.3	9.4	9.4	10.4	11.8	26
DEIMC01	1.00	32/0.20	0.6	1	1	1	1	1.1	9	9.8	9.8	10.9	12.5	19.5
DEIMC15	1.5	30/0.25	0.6	1	1	1	1.1	1.1	9.8	10.7	10.7	12	13.7	13.3
DEIMC25	2.5	50/0.25	0.7	1.0	1.1	1.1	1.2	1.3	11.8	12.8	12.8	14	16.8	7.98
DEIMC04	4.0	56/0.30	0.8	1.1	1.2	1.2	1.3	1.4	13.8	16	16	16.8	20.40	4.95

Note: Standard Packaging Quantity (SPQ) – 100m, Bigger Packaging Quantity available on request.



- Any Colour on specific request can be supplied.
- The number and diameter of conductor strands are for reference only. Conductor Resistance as per IS 8130 is the governing criteria.
- Progressive Length Marking on every meter.
- Colour Code As specified in IS:694.



Control Cables (IS 694)

Deltacab 's high-quality control cables are engineered to provide reliable, efficient signal transmission for various industrial and commercial applications. Designed with a focus on flexibility, durability, and safety, our control cables excel in environments requiring precise control and communication between devices, machines, and systems.

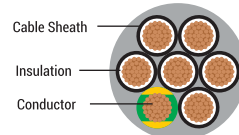
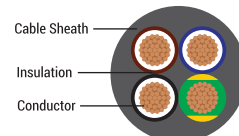
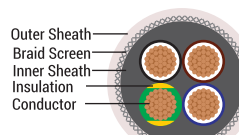
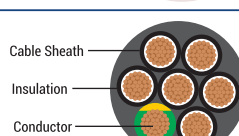
These cables are designed for residential and commercial infrastructure and are used for connections in home appliances, plant machinery, wiring purposes, data and control applications in machinery and computer systems and many more applications in industrial automation.

At Deltacab, we have customization in all aspects such as copper construction, insulation and sheathing, colour, packaging etc. All Control cables can be provided with HR, FR, HRFr, and FRLSH Sheathing which help in excellent fire performance and safety.

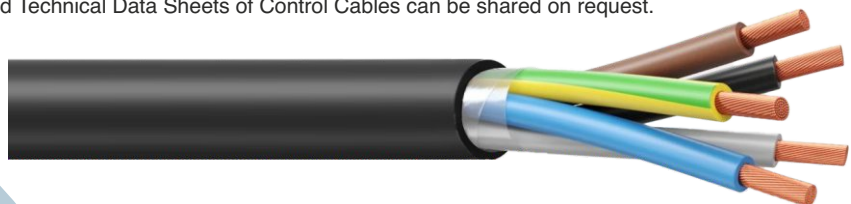
Technical Data

Approvals	IS 694 marked\	Conductor	Electrolytic grade annealed copper Class-5 as per IS 8130, having uniform resistance properties
Standard Colour	Grey / Black	Core Colours	All black colour cores with continuous white numbering, gn-yl core on outermost layer for the earth if applicable
Voltage	Up to and including 1100V		
Packaging	SPQ of 100 meters, longer length available on request.		

Control Cable Variants

Sr No.	Control Cable Product Variants	Applications	Number of Cores	Nominal Cross Sectional Area (Sqmm)	
1	Control Cable (Multicore Unshielded Cables per IS 694)	Used for Residential and Commercial Infrastructure, in stationary and static applications	2 to 25	0.50 sqmm, 0.75 sqmm, 1.00 sqmm, 1.50 sqmm, 2.50 sqmm	
2	Control Cable (Multicore Unshielded Cable as per BS EN 50525-2-11)	Used for Connections of Home Appliances, plant and machinery wiring purposes	2 to 5	0.50 sqmm, 0.75 sqmm, 1.00 sqmm, 1.50 sqmm, 2.50 sqmm	
3	Multicore Shielded Control Cable	Used as a data and control cable in machinery, computer systems, electronics, measuring and control cables in plant installations and power stations, packaging industries, tool machinery, food processing industries etc.	2,3,4, 5,7,12, 18,25,32	0.75 sqmm, 1.00 sqmm, 1.50 sqmm, 2.50 sqmm, 4.00 sqmm	
4	Multicore Flexible Control Cable For Medium Mechanical Stresses (with specially formulated)	Used for Flexible use with medium mechanical stresses in dry, moist and wet rooms, as measuring and control cable in tool machines, conveyor, belt production lines, air conditioning etc.	2,3,4,5,6, 7, 8,10,12, 14,16,18,20, 21,25,30,32 34,40,42,50	0.50 sqmm, 0.75 sqmm, 1.00 sqmm, 1.50 sqmm, 2.50 sqmm	

Detailed Technical Data Sheets of Control Cables can be shared on request.



Instrumentation Cables

Deltacab Instrumentation Cables are designed and manufactured to transmit low-energy electrical signals with high accuracy, ensuring reliable data and signal communication in complex industrial systems. These cables are meticulously engineered to resist interference, ensuring precise measurement and control of signals in various applications, including automation, process control, and monitoring systems. Our instrumentation cables deliver exceptional performance and durability, making them ideal for sensitive applications across oil and gas, petrochemical, power generation, and manufacturing industries.

The shielded and screened type instrumentation cables are designed to reduce external noise pick up in the circuit there by reducing interference.

Construction	Cores, Pair, Traids or quads
Conductor	High Conductivity Electrolytic Grade annealed bare/tinned copper
Voltage Grade	1100 V
Product Range	0.50 / 0.75 / 1.00 / 1.50 / 2.5 sqmm up to 50 Pair
Insulation	Specially formulated PVC / HR PVC / PE / XLPE / PTFE
Individual Screen	Shielded type for twisted pair/triad, Aluminium-Mylar tape with tinner copper drain wire. Shielding with ATC braiding can also be provided to meet specific requirements.
Pair/Triad Identification	Identification of pair/triad by number printing.
Collective Screen	Shielded with ATC braiding. Aluminium-Mylar tape with tinned copper drain wire can also be provided.
Inner Sheath	Specially formulated Thermoplastic compound having low smoke emission and corrosive gasses when exposed to fire and also ensures circular shape of cable. (PVC / HR PVC, FR PVC, HRFR PVC, FRLS PVC, FRLSH PVC)
Outer Sheath	Specially formulated Thermoplastic compound having low smoke emission and corrosive gasses when exposed to fire and also ensure circular shape of cable. (PVC / HR PVC, FR PVC, HRFR PVC, FRLS PVC, FRLSH PVC)
Additional Features	Communication pairs, Bi – colour extrusion, Band Marking.

Technical Data

2.5 Conductor Resistance at 200C Ohms/Km	Conductor Size mm ²	0.5	0.75	1.0	1.5	2.5
	Maximum Resistance (Plain Copper, Class-2 Conductor)	39.0	26.0	19.5	13.3	7.9
Capacitance nf/Km	Between conductors	< 250 for PVC <150 for Polyolefin				
Inductance mH/Km		< 1.0				
L/R Ratio uH/Ohm	Conductor Size mm ²	0.5	0.75	1.0	1.5	2.5
	L/R	<25	<25	<25	<40	<60
Insulation Resistance at 20°C M Ohm-Km	PVC	More than 100				
	LDPE	More than 5000				
Electrostatic noise rejection ratio		More than 76.0 db				

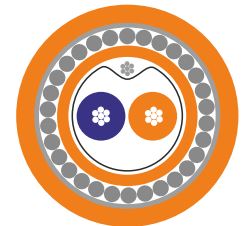
Detailed Technical Data Sheets of Instrumentation Cables can be shared on request.



Industrial Bus Cables / Data Cables / Ethernet Cables

Deltacab Bus Cables are used for digital signal transmission between sensors and corresponding display units. Engineered to support seamless communication between devices, controllers, and sensors, these cables are essential for efficient data exchange in applications like factory automation, process control, and smart manufacturing. Designed with high-quality shielding to minimize signal loss and electromagnetic interference, bus cables ensure robust performance in demanding environments. We manufacture cables for nearly all standard bus systems as for example Interbus-S & loop, CAN BUS, Profibus, Profinet, Ethernet, DeviceNet & Safety Bus.

Product Family	Features	AWG	Pairs	Voltage (V)	Operating Temperature	Additional Features / Ratings
FieldBus Cables	Stranded (7x26) ATC Conductors, PE Insulation, ATC Drain Wire, Individual Shielded Pair and Overall Aluminium Foil Screening/Overall ATC Braid Shielding, Outer PVC/TPU Jacket	14	1 Pair	300	- 20 to 105°C	UV Resistance, Oil Resistant, Flame Retardant, Available for Fixed Installations and continuous flexing applications
		16	1, 2, 5, 8, 12, 6, 20, 24 Pairs	300	- 20 to 105°C	
		18	2, 5, 8, 12, 16, 20, 24, 50 Pairs	300	- 20 to 105°C	
		22	1 Pair	300	- 20 to 105°C	
Profibus Cables	Solid/Stranded ABC Conductors + PE Insulation + Aluminium Foil Screening + 65 % ATC Braiding + Outer PVC/TPU Jacket	24	1, 2, 3 Pairs	300	- 20 to 105°C	UV Resistant, Oil Resistant, Available for Fixed Installations & continuous flexing applications
RS 485 / RS 422 Data Cables	22 AWG (7x30) ATC Conductors + PE Insulation + ATC Drain Wire + Overall Aluminium Mylar Tapping + 90 % ATC Braid Shielding + Outer PVC Jacket	18, 22, 24	1, 2, 3, 4 Pairs	300	- 20 to 105°C	UV Resistant, Oil Resistant, Available for Fixed Installations and continuous flexing applications
Devicebus Cables	15 / 16 AWG (19x28) and 18 AWG (19x30) Stranded ATC Conductors + FR Polypropylene (for Data), PVC (for Power) + Individually Foil Shielded Pairs + Overall ACT Braiding + Outer PVC Jacket	15/16 for Power, 18 for Data	2 Pairs	300	- 20 to 105°C	UV Resistant, Oil Resistant
CAN Bus Cables	Fine ABC Conductors + PE Insulation + Individually Foil Shielded Pairs + Overall ATC Braiding + Outer PVC/TPU Jacket	19	1, 2 Pairs	300	- 20 to 105°C	UV Resistant, Oil Resistant
		20	1, 2 Pairs	300	- 20 to 105°C	
		22	1, 2 Pairs	300	- 20 to 105°C	
		24	1, 2 Pairs	300	- 20 to 105°C	



Ethernet LAN Cables

Deltacab Ethernet Cables are high performance cable of industrial grade used increasingly for modern computer network systems. They are designed to withstand environmental and mechanical hazards such as extreme sunlight, resistance to solvents, oils, chemicals and moisture. Deltacab is into manufacturing of Ethernet Patch Cords. They are available in all variants such as Cat 5e, Cat 6, Cat 6A with UTP, FTP, SFTP, STP Shielding options and in various lengths from as small as 0.50 m to as long as 15 m. One can choose from a wide variety of colours. Due to own in-house cable manufacturing and assembly line for patch cord manufacturing, we are able to follow stringent quality standards, manufacturing lead times, customization as per requirement.

Applications:

1. Transmission of data in industrial applications via the ethernet protocol
2. Stationary Applications
3. Flexible Applications, subject to occasional movement or vibration after installation

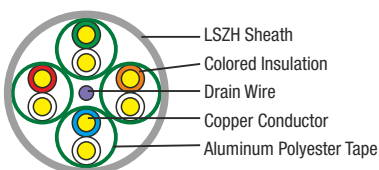
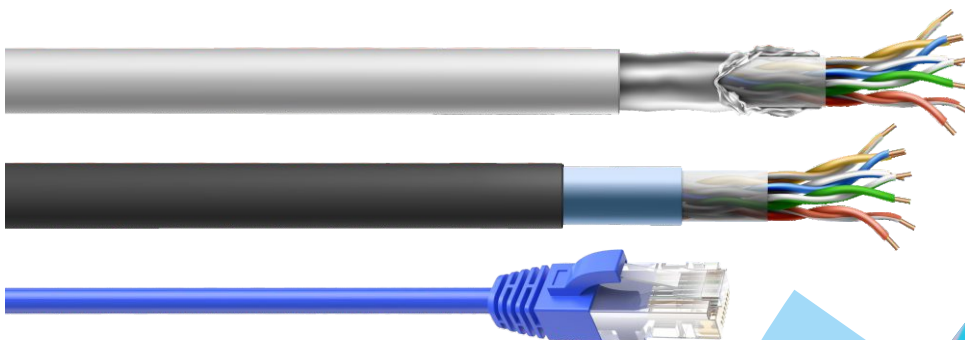
Features and Benefits:

1. Choice of Outer Sheathing – FR PVC, LSZH PVC, PUR Cable Jacket for specific application requirements in harsh environment
2. High Shield Coverage to Maintain Signal Integrity
3. Chemical, Oil and Solvent Resistant
4. Temperature Resistant
5. Abrasion Resistant
6. UV Resistant
7. Excellent Mechanical Resistance
8. Available in all Colours

Sr No.	Product	Product Variant	Conductor Options	Insulation	Sheath	Approx. Cable Dia.
1	Cat 5e	UTP	23 / 24 AWG	HDPE	FR PVC	5.50 mm
2		FTP	23 / 24 AWG	HDPE	FR PVC	5.50 mm
3		STP	23 / 24 AWG	HDPE	FR PVC	6.80 mm
4		SFTP	23 / 24 AWG	HDPE	FR PVC	6.80 mm
5	Cat 6	UTP	23 / 24 AWG	HDPE	FR PVC	5.50 mm
6		FTP	23 / 24 AWG	HDPE	FR PVC	5.50 mm
7		STP	23 / 24 AWG	HDPE	FR PVC	6.80 mm
8	Cat 6A	SFTP	23 / 24 AWG	HDPE	FR PVC	6.80 mm
9		UTP	23 / 24 AWG	HDPE	FR PVC	5.50 mm
10		FTP	23 / 24 AWG	HDPE	FR PVC	5.50 mm
11		STP	23 / 24 AWG	HDPE	FR PVC	6.80 mm
12		SFTP	23 / 24 AWG	HDPE	FR PVC	6.80 mm

UTP Unshielded Twisted Pair
 FTP Overall Aluminium Foiled Twisted Pair
 STP Shielded Twisted Pair
 SFTP Shielded Foiled Twisted Pair

- All the products available with Single Strand Conductor as well as Multi Strand Conductors
- Customization in Construction, Outer Sheathing, Colour, Packaging etc.
- Ethernet Patch Cords Available with Shielded/non-Shielded RJ 45 Connectors for all the above cables.



Coaxial Cables

Deltacab Coaxial Cables are engineered for high-performance signal transmission, making them ideal for various applications, from telecommunications to high-definition audio-visual systems. Designed with precision and quality, Deltacab coaxial cables ensure low signal loss and high fidelity, delivering crisp and clear transmission across various frequencies. Some of the applications of Coaxial Cables are Telecommunications, Broadcasting & Audio-Visual Systems, Security & Surveillance Systems and Data Transmission.

The centre conductor is made of solid electrolytic grade 99.97 % pure copper to ensure better signal strength. The dielectric is of PE and Deltacab is one of the few companies that provides pure copper braiding to ensure low loss in signal quality and additional mechanical strength. The outer sheathing is of specially formulated PVC which is UV and abrasion-resistant. Deltacab Coaxial Cables are tested for all parameters in our in-house laboratory.

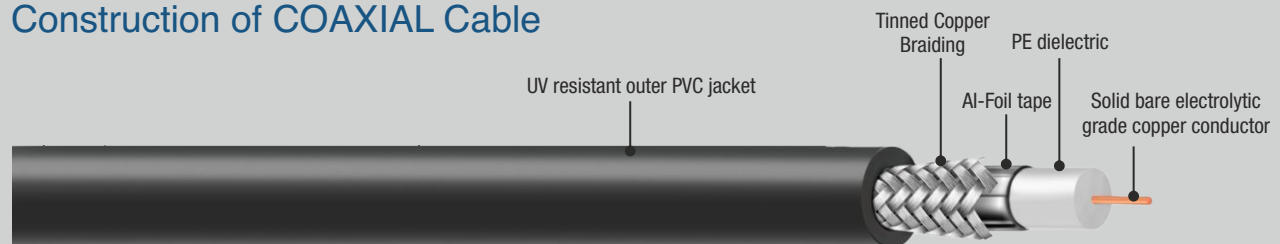
Key Features:

- Superior Signal Quality
- Durable Construction
- High Flexibility
- Low Noise & Interference
- Higher bandwidth

Product Range:

1.	RG 174
2.	RG 58
3.	RG 59
4.	RG 6
5.	RG 11
6.	RG 213
7.	RG 214

Construction of COAXIAL Cable



Servo Cables

Being one of our latest additions to our product range, Deltacab is into designing and manufacturing high-performance Servo / Drag Chain Cables. Servo Cables are required as flexible connection cables for servo motors in the energy chain. These have been specially developed for continuous use in the energy chain. They meet the requirements of a wide variety of machines due to the different structures with one or two pairs. The overall shielding of cable and separate shielding of pairs for brakes and temperature sensors ensure a high level of EMC protection. They are available in both PVC, TPE, and PUR jackets.

Technical Data:

Temperature Range	Flexing -5°C to +70°C. Fixed installation -30°C to +70°C
Nominal Voltage	300 / 500 V
Insulation Resistance	Min. 20 GΩ x cm
Minimum Bending Radius	Unshielded Cable - Flexing approx 12.5 x cable ø. Fixed installation approx. 4 x cable ø
Shielded Cable	Flexing 20 x cable ø. Fixed installation 6 x cable ø
Test Voltage	Core/core: 4000V. Core/screen: 2000V

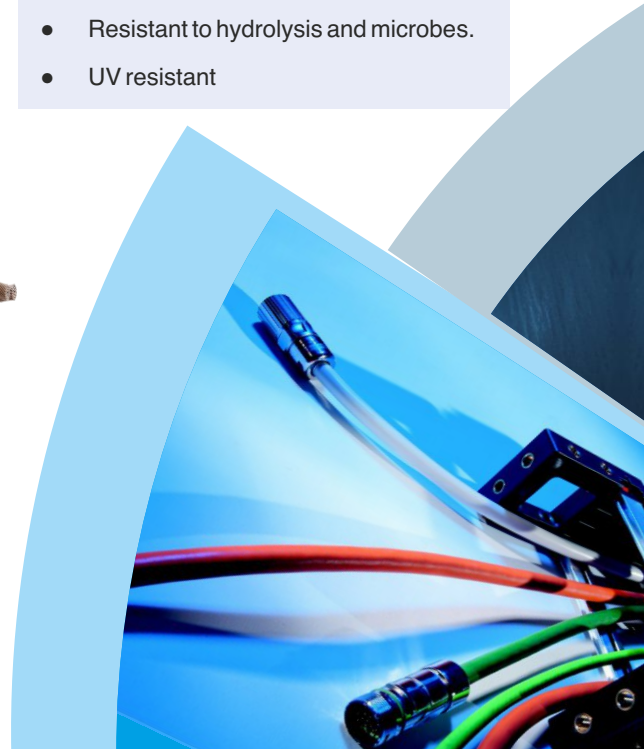
Available in Multicore with 0.50, 0.75, 1.00, 1.50, 2.50 sqmm and as Composite Cables with power supply cores and control cores

Product Range:

1. DEISCL4C x 1.50 sqmm ABC PVC Insulated PUR Sheathed Alu Mylar Tapped and ATC Braided Cable
– Available up to 10.00 sqmm.
2. DEISCL3C x 1.50 sqmm + 3G x 0.25 sqmm ABC PVC Insulated PUR Sheathed Alu Mylar Tapped and ATC Braided Cable
– Available in Power Cores up to 25.00 sqmm and in Control Cores up to 6.00 sqmm
3. DEISCL4C x 2.50 sqmm ABC Alu Mylar Tapped and ATC Braided PUR Sheathed Cable
– Available up to 10.00 sqmm
4. DEISCL4G x 1.50 sqmm + 2C x 1.00 sqmm + 2 x 22 AWG ABC PVC Insulated non-woven tape wrapped ATC Braided PUR Sheathed Cable
– Available in Various Size Combinations
5. DEISCL4C x 1.50 sqmm + 1P x 1.50 sqmm Control Core Alu Mylar Tapped and ATC Braided, screened control pairs and supply cores twisted, non-woven tapped, overall ATC Braided PUR Sheathed Cable
– Available in Various Size Combinations

General Cable Construction:

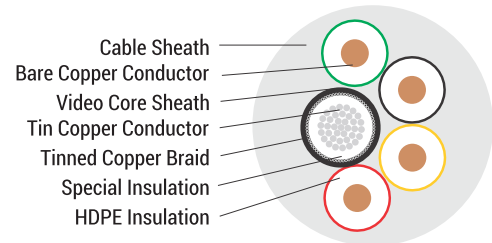
- Bare Copper Fine Gauge Construction
- Core Insulation of Specially formulated flexible PVC
- Core Stranded in Layers with optimal lay-length
- Special PUR Outer Sheath
- Properties:
- Extensively oil resistant.
- Abrasion and notch resistant.
- Low adhesive surface.
- Resistant to hydrolysis and microbes.
- UV resistant



CCTV Cables

Deltacab CCTV are specifically designed for the transmission of video frequency with minimum distortion or attenuation for security and surveillance. This cable is available in 2 variants 4+1 and 3+1 CCTV Cable, none the less we have customization options too.

Cable Construction	Screened Core for Video Signal
Conductor	The central conductor is made of flexible ATC fine wires of electrolytic-grade copper
Insulation	The insulation provided is with high dielectric strength and low capacitance.
Screen	Annealed Tinned Copper Braid, approx. 85 % coverage
Sheath	PVC
Cable Construction	Power Cores
Conductor	Solid electrolytic grade annealed plain copper, 0.5 mm
Insulated	The insulation provided over the conductor is of high-density polyethylene (HDPE)
Sheath	PVC





Wires, Cables & Cords

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