



POWERING. INSPIRING. EXPLORING

**POWERING POSSIBILITIES**  
DISCOVER DELCO'S  
ELECTRICAL SOLUTIONS





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Since its establishment on November 11, 2004, Delco Switchgears Pvt. Ltd. (DSPL) has been at the forefront of the Power Electronics, Industrial Control, Automation, and related fields. We take pride in our comprehensive expertise, spanning design, development, manufacturing, and application. Our unwavering commitment to quality and innovation has earned us the trust of Indian Railways and global railways alike.

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## OUR COMMITMENT TO QUALITY:

At Delco, we uphold a stringent total quality management system, reflected not only in our ISO 9001:2015 certification but also in the excellence of our product range. We are proud to be recognized as the most preferred supplier.



## OUR TEAM:

Our dedicated team of skilled professionals relentlessly pursues enhanced quality, product improvement, and complete customer satisfaction. Their reliability and unmatched performance have made our products a staple in the Indian Railways and numerous global railways.



## OUR LATEST INNOVATIONS



### PTFE Wire & Cables

Herra represents the epitome of power and reliability in the realm of electrical solutions. It is more than just a symbol; it is a guarantee that every product bearing the name Herra is synonymous with unmatched strength and absolute security.

Herra embodies the concept of a supreme power, much like a deity of all things related to Teflon (PTFE) Wires and Cables. It signifies the ability to deliver unwavering power even in the most extreme conditions, without the slightest loss in performance.

As a symbol of indomitable strength, Herra empowers users with limitless capabilities. It is an invaluable asset that turns ordinary applications into extraordinary achievements.

Herra stands as an invincible force, a guardian of purity, safety, and reliability in the world of electrical components. Just as a powerful deity bestows blessings, Herra blesses every installation with the assurance of purity, safety, and unwavering performance.



### PVC Wire & Cables

Dhatu-Ra represents the essence of purity and reliability in the world of electrical components. Just like Herra embodies supreme power and safety, Dhatu-Ra is the guardian of quality and performance, ensuring that every product is crafted with the highest standards of precision and purity.

Dhatu-Ra stands as a symbol of unwavering commitment to delivering products that not only meet but exceed expectations. With a focus on longevity and safety, Dhatu-Ra ensures that each component is crafted with the utmost care, using pure materials that guarantee durability and security.

Much like an invaluable gem, Dhatu-Ra shines as a beacon of excellence, offering products that are not just reliable but also environmentally friendly. It is a promise of quality, safety, and value for every customer.

## OUR SEGMENTS OF PTFE WIRE & CABLES:



**PTFE Wire:** Highly durable and tough cables insulated with Polytetrafluoroethylene for various applications, known for excellent mechanical composition.

**PTFE Flexible Wire:** Heat-resistant and flexible electrical cables, ideal for applications where tight bending and movement are required.



**PTFE Co-Axial Cables:** Specialized coaxial cables with copper shielding and PTFE insulation, designed to block signal interference effectively. mechanical composition.

**PTFE Cables:** Cables insulated with PTFE, offering exceptional durability, resistance to harsh conditions, and moisture-free performance.



**PTFE Multipair Cables:** Multiple paired cables within a single jacketed cable, known for high flexibility, ruggedness, and reliability, suitable for various industries. mechanical composition.

**PTFE Thermocouple Cables:** Temperature-sensing cables with dissimilar metal wires, offering precise temperature measurement in extreme conditions.



**PTFE Hook-Up Wires:** Small-to-medium gauge, single or stranded wires with Teflon insulation for internal electrical connections in devices.

**PTFE High-Temperature Wires:** Heat-resistant PTFE wires capable of withstanding high temperatures, offering excellent insulation and flexibility.



**PTFE Insulated Cables:** Cables insulated with PTFE known for heat resistance, durability, and longevity, used in various applications.

**PTFE Multi-Core Cables:** Versatile cables with multiple conductors, often used to simplify complex setups and reduce cable volume.



**PTFE High Voltage Cables:** Fully insulated cables designed for electric power transmission at extra high voltages, ensuring safety and reliability.

**PTFE Sleeves:** Strong, fire-resistant, and chemical-resistant sleeves suitable for underground and open-air connections.



**PTFE Tapes:** Cured PTFE tapes/sheets with high-temperature resistance, ideal for electrical insulation and sealing applications.

**Customized Solutions:** Tailored PTFE-based solutions to meet specific industry needs and requirements, ensuring optimal performance and functionality.



# PTFE WIRES

## TECHNICAL SPECIFICATION

S.no.	AWG	No. Of Strands/Dia Of Each Strand (MM)	Parameters Of Conductor (Nominal) (As per JSS 51034)				Nominal Dia Of Insulated Wire In AC/V		
			Dia. (MM)	Cross Section (sq. MM)	Resistance Ohm/km at 20° C	Elongation (Min)	ET (250)	E (600)	EE (1000)
1	32/7/40	7/0.08	0.24	0.0340	570.9	5.5	0.56	0.74	1.00
2	30/1	1/0.25	0.25	0.0507	356.4	9.0	0.56	0.75	1.00
3	30/7/38	7/0.1	0.30	0.0568	332.3	5.5	0.61	0.81	1.07
4	28/1	1/0.32	0.32	0.0806	224.4	9.0	0.63	0.84	1.09
5	28/7/36	7/0.13	0.38	0.0887	210.5	5.5	0.69	0.89	1.14
6	26/1	1/0.4	0.40	0.1282	140.9	9.0	0.71	0.90	1.15
7	26/7/34	7/0.16	0.48	0.1409	133.7	9.0	0.79	0.99	1.24
8	26/19/38	19/0.1	0.50	0.1540	126.7	5.5	0.79	0.99	1.24
9	24/1	1/0.5	0.50	0.2047	88.4	15.5	0.81	1.00	1.25
10	24/7/32	7/0.2	0.60	0.2270	83.2	9.0	0.91	1.12	1.37
11	24/19/36	19/0.13	0.63	0.2407	80.2	9.0	0.91	1.12	1.37
12	22/1	1/0.65	0.65	0.3243	56.1	20.0	0.95	1.15	1.40
13	22/7/30	7/0.25	0.75	0.3547	52.5	13.5	1.07	1.27	1.52
14	22/19/34	19/0.16	0.80	0.3820	49.8	9.0	1.07	1.27	1.52
15	20/1	1/0.8	0.80	0.5168	34.7	20.0	1.10	1.30	1.53
16	20/7/28	7/0.32	0.97	0.5630	33.0	13.5	1.27	1.47	1.53
17	20/19/32	19/0.2	1.00	0.6162	30.3	9.0	1.27	1.47	1.73
18	18/7/26	7/0.4	1.20	0.8969	20.7	13.5	-	1.75	2.00
19	18/19/30	19/0.25	1.25	0.9627	19.1	13.5	-	1.75	2.00
20	16/19/29	19/0.29	1.45	1.2293	14.9	13.5	-	2.03	14.9
21	16/37/32	37/0.2	1.40	1.200	15.0	13.5	-	2.00	2.20
22	15/19/28	19/0.32	1.60	1.5272	12.5	13.5	-	2.15	2.40
23	14/19/27	19/0.36	1.83	1.9412	9.5	13.5	-	2.42	2.69
24	14/37/30	37/0.25	1.75	1.8886	10.0	13.5	-	2.35	2.60
25	13/19/26	19/0.4	2.00	2.3864	7.8	13.5	-	7.8	2.85
26	12/19/25	19/0.45	2.25	3.0848	6.0	13.5	-	2.90	3.17
27	12/37/28	37/0.32	2.24	2.9742	6.5	13.5	-	2.85	3.12
28	11/19/24	19/0.5	2.50	3.7287	5.0	13.5	-	3.15	3.40
29	10/19/22	19/0.65	3.20	6.3015	3.0	13.5	-	3.80	4.10
30	10/37/26	37/0.4	2.82	4.7397	3.9	13.5	-	3.40	3.68
31	8/133/29	133/0.29	4.29	8.6054	2.2	13.5	-	0	5.31
32	6/133/27	133/0.36	5.41	13.5889	1.4	13.5	-	0	6.68



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