



COPPERGATTM
CABLES

شرکتہ الکابلات

بس۔۔۔ یہی چاہیے

GERMAN & AMERICAN TECHNOLOGY
NOW IN PAKISTAN



FULL GAUGE



FULL CURRENT



FULL VOLTAGE





Coppergat Profile

Exemplifying the core tenets of trust and reliability, COPPERGAT cables operates as a value based organization (VBO). With over 2 decades of expertise in the field of manufacturing wires and cables, we have grown to be a trustworthy and reliable source for quality in the power lines industry. COPPERGAT wires are built to perform their best even in the most harsh climate. Guided by the mission to achieve excellence and technological advancement, COPPERGAT has not only made its mark in the national market, rather we are widely recognized across the SAARC region. Committed to consistently innovating and delivering A-grade products, COPPERGAT is at the brink of globalisation through our vast network of international channels.

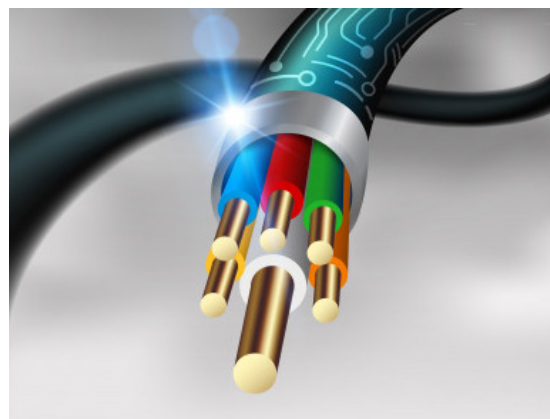
About Coppergat



With a state of the art manufacturing plant (American Extrusion Lines for XLPE-PVC), COPPERGAT maintains quality control through stringent checks on a routinely basis by internationally acclaimed labs such as Pakistan Standards & Quality Control Authority (PSQCA), Pakistan Council of Scientific & Industrial Research (PCSIR), High Voltage Testing Labs of University of Engineering & Technology, Metal Industry Research and Development Center (MIRDC) and American Global Standards (AGS) under the criteria of IEC, BSS, UL83, ANSI, VDE & DIN. This thorough scrutiny makes our products suitable for all sorts of electrical operations.

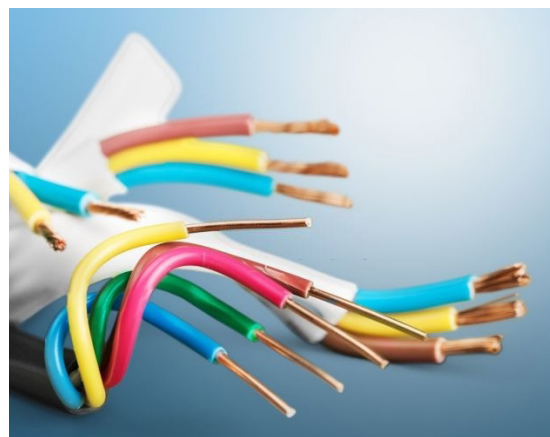
Modern infrastructure at our factories, purpose-built buildings for production, logistic centers and laboratories are important components that add value to COPPERGAT products and expand our capacity to innovate.

Imported cable grade material is used in our products because if copper does not have a 100% conductivity, cables will have greater resistance with decreased conductivity leading to increased electricity bills.



Due to these important details, our growth and operational excellence has been accredited with appreciation and recognition by:

- ISO-9001: QUALITY MANAGEMENT SYSTEM
- ISO-14001: ENVIRONMENT MANAGEMENT SYSTEM
- OHSAS-18001: OCCUPATIONAL HEALTH & SAFETY ADVISORY SERVICES
- CE and ROHS-COMPLIANT



Our Vision

To be one of the most progressive institutions in the field of cable- and wire-manufacturers by providing superior quality products and services to our clientele. We aim to establish a global corporation based on the business model of Sadiq & Ameen.

Our Mission

Whether it be through supplying durable cables or leading by example, our services enable people and businesses alike to extend themselves so they can reach new heights. Our mission is to acquire knowledge and insight of our customers as we are determined to be a truly customer-driven business. We are committed to attaining customer satisfaction, developing business integrity and establishing a world-wide presence.

Our Values

Nationalistic- Concerned about our people and our land.

Respect- Treating our customers, employees, stakeholders, and the broader community with the utmost respect and welcoming constructive feedback.

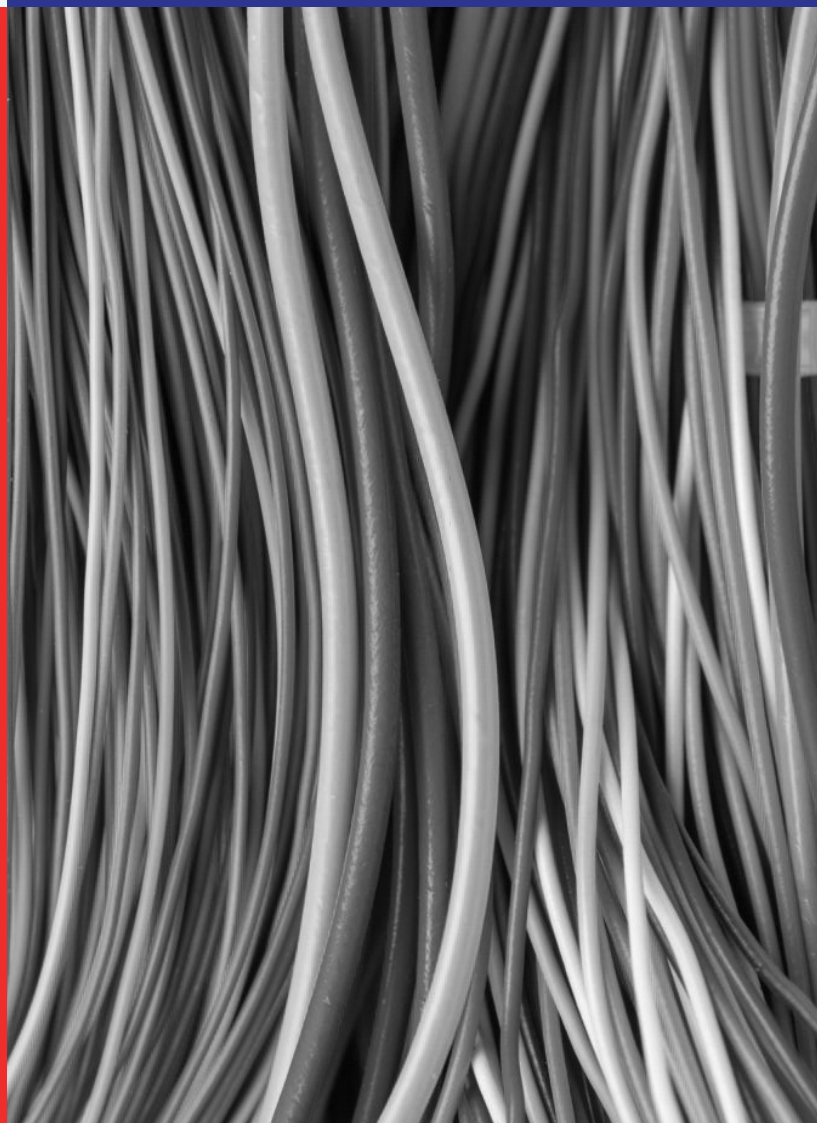
Trust- Building lasting and strong relationships both, inside and outside the COPPERGAT network.

Reliability- COPPERGAT is committed to creating reliable and long-lasting products. This quality is mirrored when it comes to maintaining our loyal customer base.

Teamwork- The team at COPPERGAT lives by the belief that more can be achieved through cooperation and collaboration.

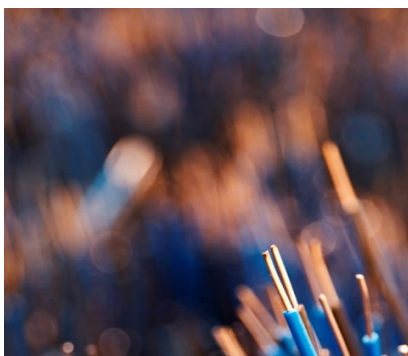
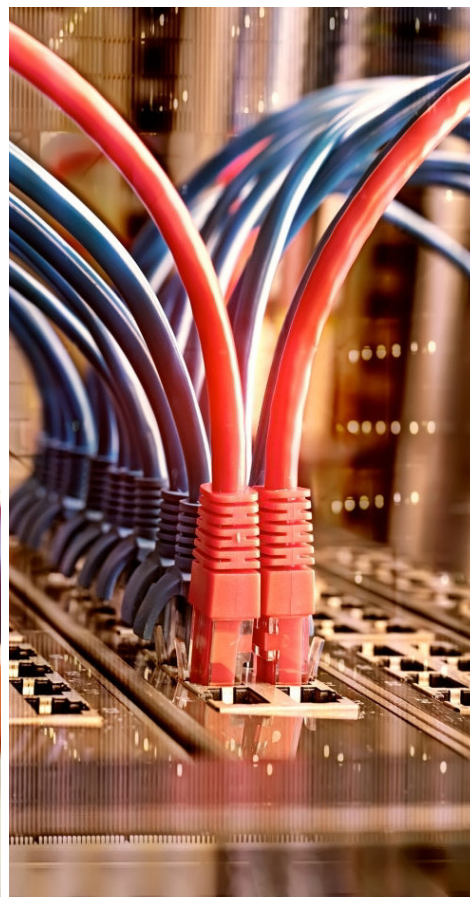
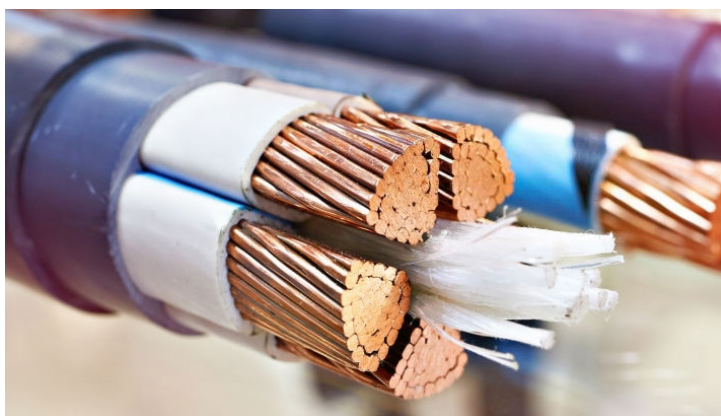
Accountability- COPPERGAT is ready to take full responsibility and ownership of our actions and products.

Professional- Having established indestructible internal mechanisms to ensure quality control and effective client servicing, we are passionate about giving our clients a world-class service at all times.



Product Range

- Building wires & cables
- LT/HT power cables with copper/ aluminum conductors
- Armoured and un- armoured cables
- AAC and ACSR conductor as per WAPDA standards
- Flexible DC cables single & multi core 300/500 volts
- Flexible special cables for instrumentation& control
- Telecommunication cables
- RG-type cables
- Flame retardant LSZH Cables
- Fire Retardant MGT-Mica Glass Taped Cables
- Cables for wind and solar energy
- Customized cables



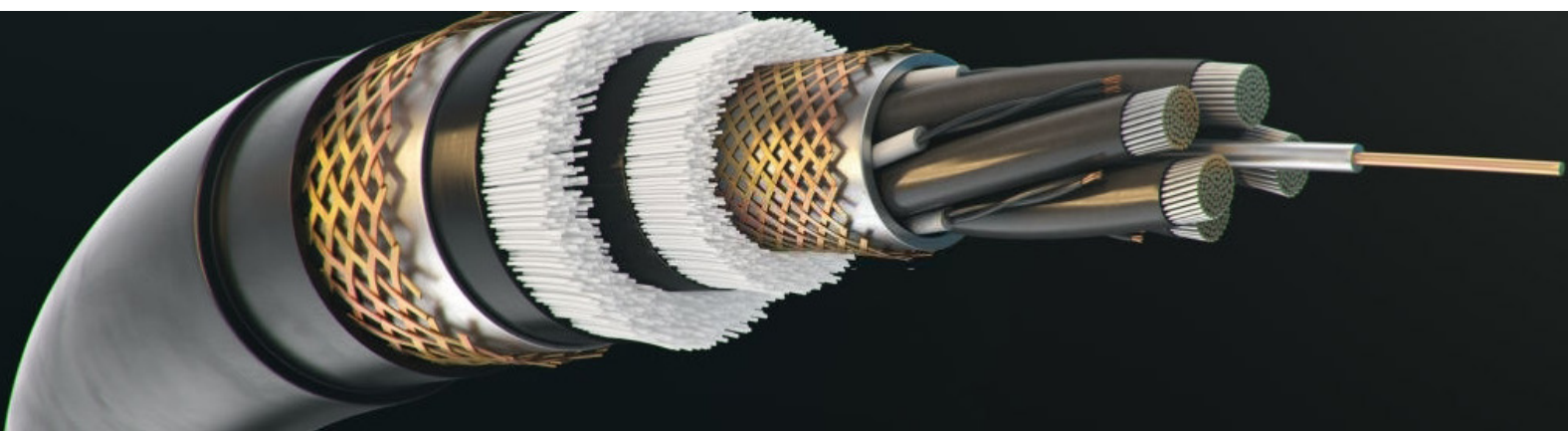
Our manufacturing range with comparison of imperial and metric sizes of cables and current ratings.

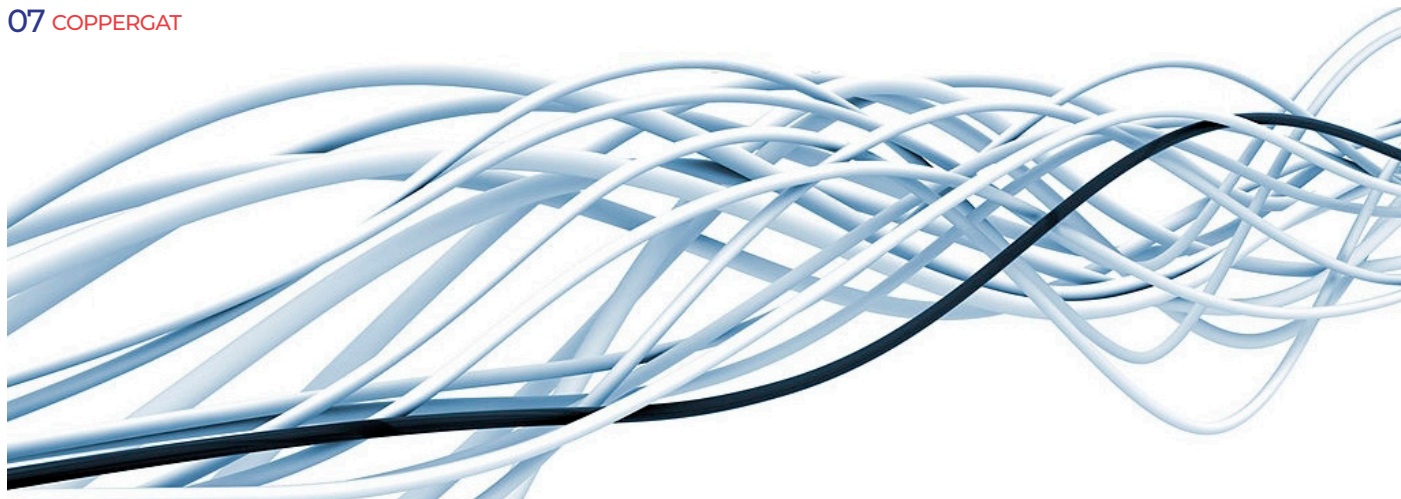
IMPERIAL	CONVERTED	NEAREST	CURRENT
Stranding Formation	TO (mm2)	Available metric Size (mm2)	In Amperes
1/.044n	0.981	1.0	13.5
3/.029 n	1.290	1.5	17.5
3/.036 n	1.970	1.5	17.5
7/.029 n	2.982	2.5	24.0
7/.036 n	4.597	4.0	32.0
7/.044 n	6.861	6.0	41.0
7/.052 n	9.591	10.0	57.0
7/.064 n	14.528	16.0	76.0
19/.052 n	26.033	25.0	101.0
19/.064 n	39.434	35.0	125.0
19/.072 n	49.909	50.0	151.0
19/.083 n	66.323	70.0	192.0
37/.072 n	97.191	95.0	232.0
37/.083 n	129.156	120.0	269.0
37/.093 n	162.153	150.0	300.0
37/.103 n	198.899	185.0	341.0
61/.093 n	267.333	240.0	400.0
61/.103 n	327.915	300.0	458.0
91/.093 n	398.809	400.0	546.0
91/.103 n	489.185	500.0	617.0
127/.103 n	628.709	630.0	694.0
Flexible Cables	Flexible Cables	Flexible Cables	Flexible Cables
14/.0076 n	0.409	0.5	03
23/.0076 n	0.613	0.75	06
40/.0076 n	1.171	1.0	10
70/.0076 n	2.049	1.5	16
110/.0076 n	3.219	2.5	25
162/.0076 n	4.741	4.0	32

Current Carrying Capacity (IN AMPERES)

Table 1: Single-core copper conductor, 700C PVC insulated, non-armored, with or without sheath cables, Ambient air temperature: 300C, Ambient ground temperature: 200C, Soil thermal resistivity (cable buried in ground): 2.5K.m/W.

Conductor Cross-Sectional Area	Reference Method A (enclosed in conduit In thermally insulating Wall etc)		Reference Method B (enclosed in conduit On wall or in trunking etc)	
	2 Cables Single Phase A.C or D.C	3 OR 4 CABLES 3-PHASE A.C	2 Cables Single Phase A.C or D.C	3 OR 4 CABLES 3-PHASE A.C
mm ²	A	A	A	A
1.0	11	10.5	13.5	13.5
1.5	14.5	13.5	17.5	17.5
2.5	20	18	24	24
4	26	24	32	32
6	34	31	41	41
10	46	42	57	57
16	61	56	76	76
25	80	73	101	101
35	99	89	125	125
50	119	108	151	151
70	151	136	192	192
95	182	164	232	232
120	210	188	269	269
150	240	216	300	300
185	273	245	341	341
240	321	286	400	400
300	367	328	458	458
400	-	-	546	546
500	-	-	626	626
-	-	-	720	720





Reference Method F

(On free air or on a perforated cable tray horizontal or vertical)

Reference Method C (clipped direct)		Touching			Spaced by One Cable Diameter	
2 CABLES Single Phase A.C. Flat and Touching	3 or 4 CABLES 3-Phase A.C. Flat and Touching or Trefoil	3 CABLES Single Phase A.C. or D.C. Flat	3 CABLES 3-Phase A.C. Flat	3 CABLES 3-Phase A.C. Trefoil	2 CABLES, Single-Phase A.C. or D.C. or CABLES, 3-Phase A.C. Flat	
					Horizontal	Vertical
A	A	A	A	A	A	A
15.5	14	-	-	-	-	-
20	18	-	-	-	-	-
27	25	-	-	-	-	-
37	33	-	-	-	-	-
47	43	-	-	-	-	-
65	59	-	-	-	-	-
87	79	-	-	-	-	-
114	104	131	114	110	146	130
141	129	162	143	137	181	162
182	167	196	174	167	219	197
234	214	251	225	216	281	254
284	261	304	275	264	341	311
330	303	352	321	308	396	362
381	349	406	372	356	456	419
436	400	463	427	409	521	480
515	472	546	507	485	615	569
594	545	629	587	561	709	659
694	634	754	689	656	852	795
792	723	868	789	749	982	920
904	826	1005	905	855	1138	1070

Table 2: Rating factors for ambient air temperatures other than 300C to be applied to the current carrying capacities for cables in free air.

Ambient Temperature	PVC	XLPE
25	1.03	1.02
30	1.00	1.00
35	0.94	0.96
40	0.87	0.91
45	0.79	0.87
50	0.71	0.82
55	0.61	0.76
60	0.50	0.71
65	-	0.65
70	-	0.58
75	-	0.50
80	-	0.41
85	-	-
90	-	-
95	-	-

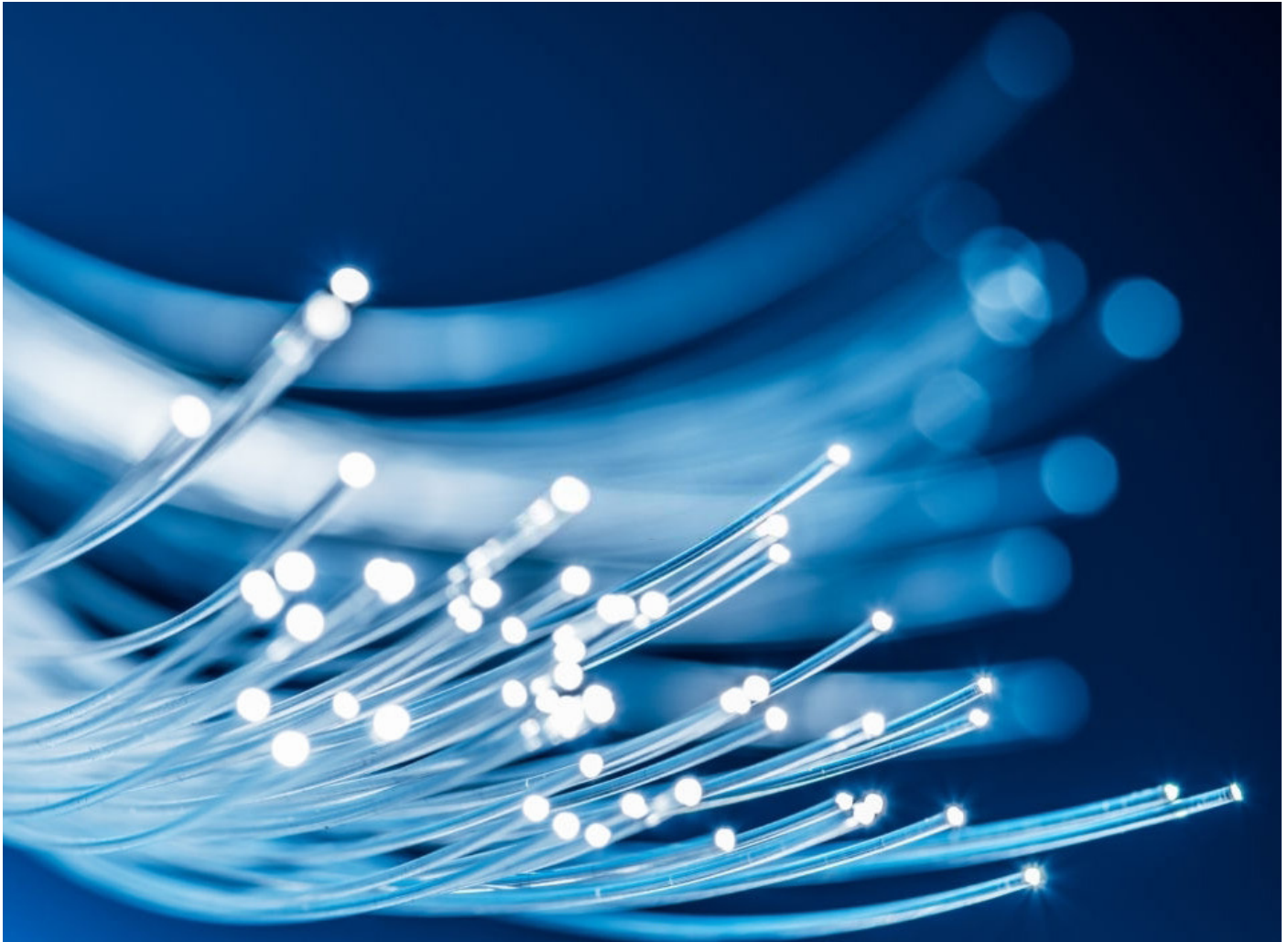
Table 3: Rating factors for ambient air temperatures other than 200C to be applied to the current carrying capacities for cables buried to ground.

Ground Temperature	PVC	XLPE
10	1.10	1.07
15	1.05	1.04
20	1.00	1.00
25	0.95	0.96
30	0.89	0.93
35	0.84	0.89
40	0.77	0.85
45	0.71	0.80
50	0.63	0.76
55	0.55	0.71
60	0.45	0.65
65	-	0.60
70	-	0.53
75	-	0.46
80	-	0.38

Rating factor for soil thermal Resistivities:

Table 4: Rating factor for cables buried directly in the ground or in an underground conduit system to BS EN 50086-2-4 for soil thermal resistivities other than 2.5 KM/W applied to the current-carrying capacities for Reference Method Duties other than 2.5 Km/W to be applied to the current-carrying capacities for Reference Method D.

Thermal Resistivity K.m/W	0.5	0.8	1	1.5	2	2.5	3
Rating factor for buried In ducts	1.28	1.2	1.18	1.1	1.05	1	0.96
Rating factor for direct Buried	1.88	1.62	1.5	1.28	1.12	1	0.90



US-American and British units

Conversion of usual measuring units

(Units for cables and wires)

In the US the measurements are mainly used in AWG- numbers (AWG=American Wire Gauge).

The AWG- numbers conform the British B&S-numbers (B&S=Brown & Sharp)

AWG	mm ²	AWG	mm ²	AWG	mm ²	AWG	mm ²
30	0.05	18	0.75	6	16	300 MCM	150
28	0.08	17	1	4	25	350 MCM	185
26	0.14	16	1.5	2	35	500 MCM	240
24	0.25	14	2.5	1	50	600MCM	300
22	0.34	12	4	2/0	70	750 MCM	400
21	0.38	10	6	3/0	95	1000 MCM	500
20	0.50	8	10	4/0	120		

1 CM= 1 CIRC .mil. = 0,0005067 mm²

1 MCM = 1000 Cric. Mils = 0,5067-mm²

This cross reference list shows equivalent nominal values (mm²). Actual cross sections may var.

Electric Formulas

Electrical formulas for determining **Ampere, Kilowatt, Kilovolt- ampere and horse power.**

Direct current (DC)	Alternating Current (AC)	
	Single Phase	Three Phase
$A = KW \times 1000 / v$	$A = KW \times 1000 / v \times P.F.$	$A = KW \times 1000 / 1.73 \times v \times P.F.$
$A = KVA \times 1000 / v$	$A = KVA \times 1000 / v$	$A = KVA \times 1000 / 1.73 \times v$
$A = HP \times 746 / V \times (\%Eff.)$	$A = HP \times 746 / V \times (\%Eff.) \times P.F.$	$A = HP \times 746 / 1.73 \times V \times (\%Eff.) \times P.F.$
$KW = A \times V / 1000$	$KW = A \times V \times P.F. / 1000$	$KW = A \times V \times 1.73 \times P.F. / 1000$
$KVA = A \times V / 1000$	$KVA = A \times V / 1000$	$KVA = A \times V \times 1.73 / 1000$
$HP = A \times V \times (\%Eff.) / 746$	$HP = A \times V \times (\%Eff.) \times P.F. / 746$	$HP = A \times V \times 1.73 \times (\%Eff.) \times P.F. / 746$

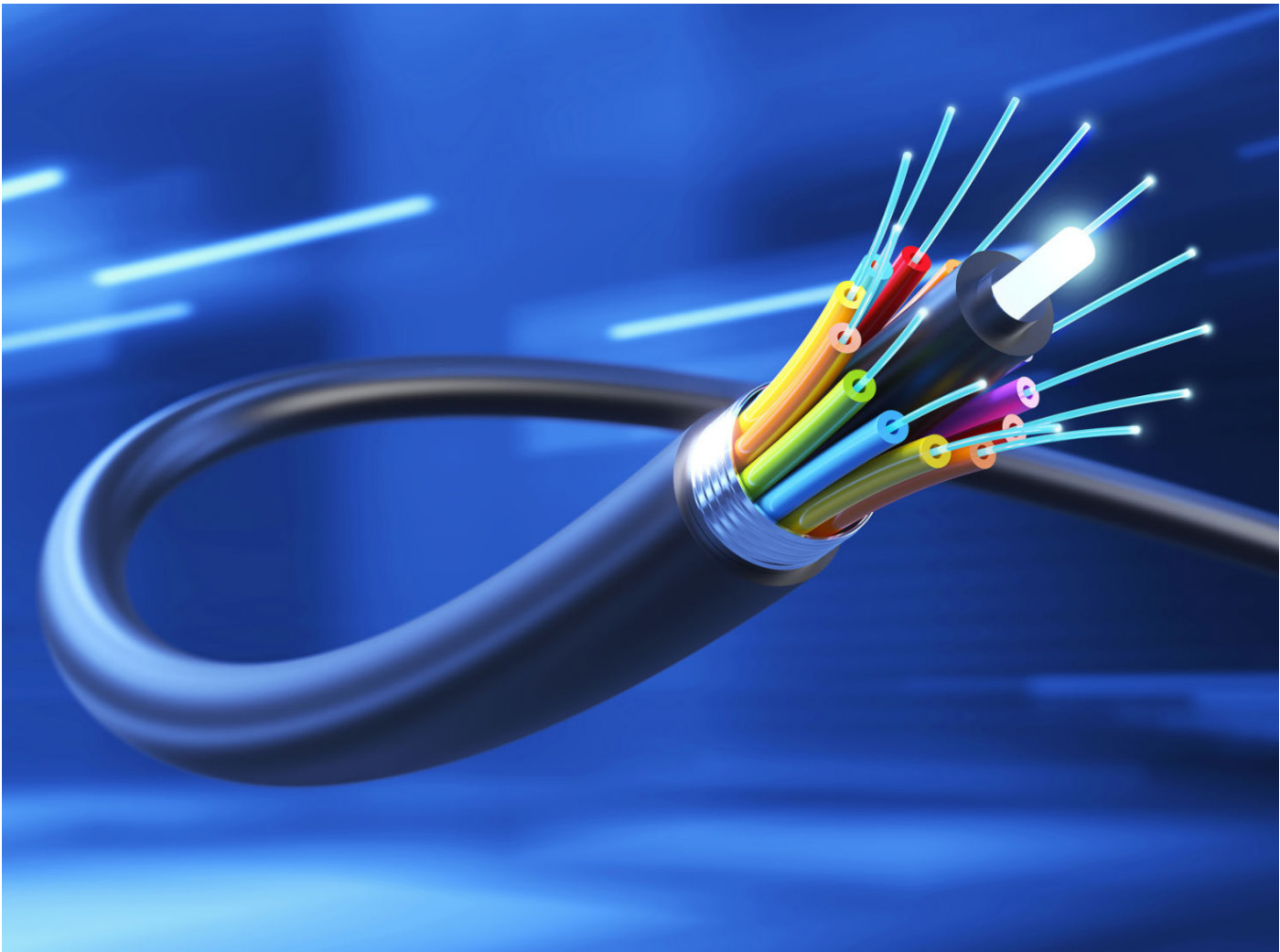


Cable size & H.R.C fuse rating for motors

Motor H.P.	Full Load Current	HRC Fuse Rating	Cable Size (Metric)
1.0	1.9	6.0	2.5 mm2
1.5	2.5	10.0	2.5 mm2
2.0	3.4	15.0	2.5 mm2
3.0	4.8	15.0	4.0 mm2
4.0	6.4	20.0	4.0 mm2
5.0	7.8	20.0	4.0 mm2
7.5	11.6	30.0	4.0 mm2
10.0	14.4	35.0	6.0 mm2
12.5	17.3	50.0	6.0 mm2
15.0	21.0	30.0	6.0 mm2
20.0	28.0	35.0	10.0 mm2
25.0	35.0	50.0	16.0 mm2
30.0	41.0	50.0	16.0 mm2
40.0	55.0	60.0	25.0 mm2
50.0	69.0	80.0	35.0 mm2
60.0	83.0	100.0	50.0 mm2
70.0	97.0	100.0	70.0 mm2
80.0	110.0	125.0	70.0 mm2
90.0	123.0	125.0	70.0 mm2
100.0	136.0	150.0	70.0 mm2
125.0	171.0	200.0	95.0 mm2
150.0	200.0	250.0	120.0 mm2
175.0	231.0	300.0	150.0 mm2
200.0	263.0	350.0	185.0 mm2
250.0	-	-	24 mm2
300.0	-	-	300 mm2

Latest Cables Color Code

Number Of Cores	Colors to IEC 60502-1	Colors to BS 5467 (A:2008)
1	Red or Black	Brown or Blue
2	Red & Black	Brown & Blue
3	Red ,Yellow and Blue	Brown, Black And Grey
4	Red ,yellow Blue and Black	Blue, Brown, Black and Grey
5	Red, Yellow, Blue , Black And Green /Yellow	Green/ Yellow, Blue , Brown , Black and G



Seven **Reasons** To Buy Coppergat Cables



Product Reliability

COPPERGAT products have been accredited by leading laboratories and institutions in the country and abroad including central testing labs. PCSIR, PSQCA, Hi-Voltage testing Labs of UET and SIMS-AGS (System Machinery & Inspection Services - American Global Standards).



Safety

Safety is always a top priority and we ensure that no detail is ever over looked so that we can guarantee safety of our products, People and premises.



Technical Support

Our technical staff Is available 24/7 for your support and queries. We believe In providing solutions even after the purchase.



Knowledge & Experience

Confident In our knowledge and expertise we have the skills set to solve the Issues that May arise during the execution of projects.



Timely & Flexible Delivery Option

Timed delivery with Special off loading, prompt and urgent deliveries are standard for us.



Quality Assurance

Our product is tested according to International standards alert along with a third party Inspection & testing options by-American Global Standards.



Direct Marketing & Selling Policy

We provide cables directly from our plan to the customer project sites without Involvement of any distribution channel at competitive prices without compromising on quality.

Lahore

Major Projects

- Eighteen Islamabad
- Attock Refinery Limited (Attock Group of Companies)
- CMH Medical Collage
- Kartarpur Corridor
- Offices MES Near PAF
- Bestways Cement Limited
- FIEDMC M3 Industrial Zone
- Army Museum
- Go Petroleum
- Mari Petroleum
- Byco Petroleum
- OMV Petroleum
- Defence Housing Authority
- Lahore-Sialkot Motorway (M11) by FWO
- Sahiwal Coal Fired Power Plant
- China State Construction (CPEC) Republic of China
- ZTE/ZTE Corporation (CPEC)
- China Railways (CRG-20)
- China Machinery Construction 1263MV Plant Jhang
- Pakistan Kidney & Liver Institute (PKLI)
- Nishat Lalpir Thermal Power Project (Nishat Group)
- Army Housing (Askari X,XI and Housing Directorate)
- University of South Asia
- Lahore University of Managment Sciences (LUMS)
- University of Management & Technology (UMT)

Major Clients



US Apparel
& Textile



Nishat Mills
Limited



Pak PWD



Descon
Pakistan



Bilal Switchgear
Engineering Pvt Ltd



Quality
Switchgear



Diamond Paints
Pvt Ltd

Major Consultants

- MEINHARDT
- Infrastructure Development Authority
- International Engineers
- Development and management consultants. (DMC)
- Management and engineering consultants. (M.E Consult.)
- Jers Engineering Consultants
- Raees Faheem Associates
- ATCON
- DAWN Engineering
- Watts Engineering services
- Incotel Engineering services
- ZKB Reliable



Islamabad

Major Clients

- Al-Shifa International Hospital
- Capital Development Authority (CDA)
- Bahria Town



Karachi

Major Projects

- MES-Navy-Air Force
- Karsaz Base
- Malir Base
- Mansoor Base
- Faisal Base
- Korangi Base

Major Clients

- Power Cement
- Sami Pharmaceuticals
- Nizam Energy
- Orient Energy Systems

Major Consultants

- Power Cement
- Sami Pharmaceuticals
- Nizam Energy
- Orient Energy Systems



Multan

Major Projects

- PKM-3 (CPEC)
- PKM-7 (CPEC)
- Women University
- Education University
- District Jail Multan
- Central Jail Multan
- B.Z.U University

Major Clients

- Gourmet Foods
- Pepsi Cola Multan
- Ittefaq Feed Mill

Khyber Pakhtunkhwa

Major Projects

- Saif Heights Peshawar
- Swabi University Swabi
- DHQ Hospital Mardan
- Police Line Mardan

Major Clients

- Mak Pumps Pvt Ltd Peshawar



Bahawalpur

Major Projects

- Cholistan Veterinary and Animal University
- Islamia University
- Danish School System
- Veterinary University




Quetta

Major Projects

- City Hospital
- Frantior Corporate Hospital
- USAID Projects
- Sofa Gold Mall

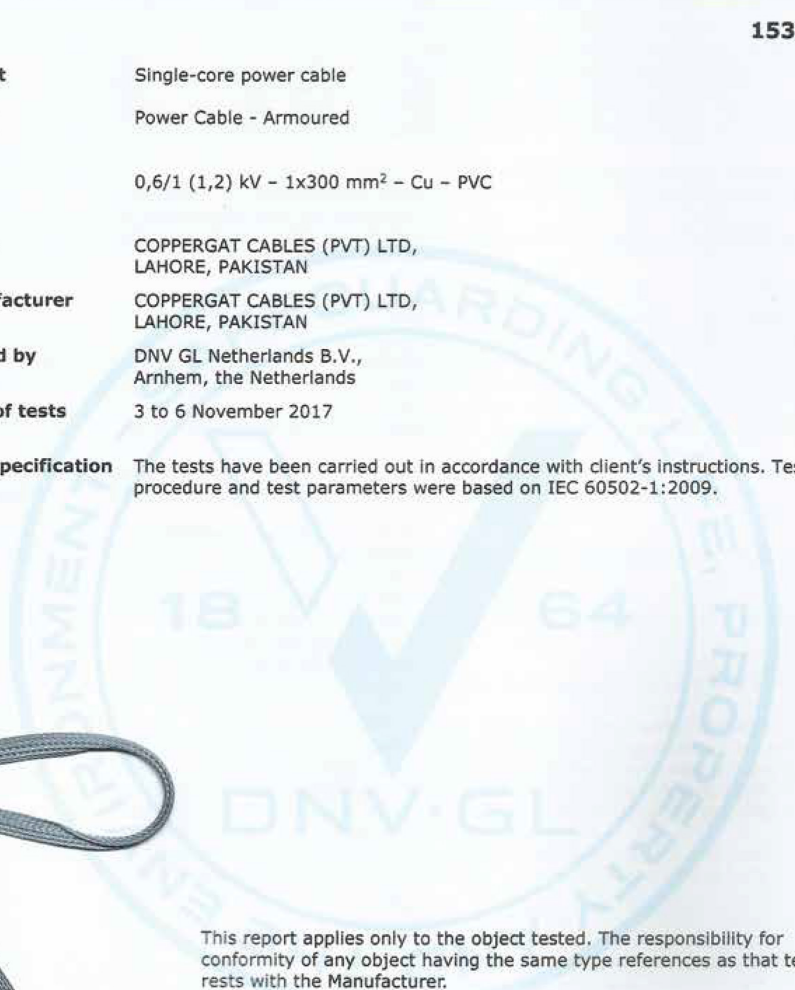
Quality tested by KEMA



KEMA TEST REPORT


1537-17

Object	Single-core power cable
Type	Power Cable - Armoured
	0,6/1 (1,2) kV - 1x300 mm ² - Cu - PVC
Client	COPPERGAT CABLES (PVT) LTD, LAHORE, PAKISTAN
Manufacturer	COPPERGAT CABLES (PVT) LTD, LAHORE, PAKISTAN
Tested by	DNV GL Netherlands B.V., Arnhem, the Netherlands
Date of tests	3 to 6 November 2017
Test specification	The tests have been carried out in accordance with client's instructions. Test procedure and test parameters were based on IEC 60502-1:2009.




This report applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
*) as declared by the manufacturer

This report consists of 9 pages in total.



KEMA

DNV GL Netherlands B.V.



J.P. Fonteljne
Executive Vice President
KEMA Laboratories

Arnhem, 13 November 2017

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ISO Certificates



COPPERGAT CABLES (PVT) LTD



1.5 Km, Defence Road, Main Industrial Zone, Kahna Nau, Ferozpur Road,
Lahore – Pakistan

American Global Standards, LLC (AGS) hereby certifies that the products name below

COPPERGATE Cables (PVT) Ltd

is in compliance with EU Directives 2002/95/EC on the restrictions of the use of certain hazardous
The Restriction of Hazardous Substances Management System is applicable to the following:
certain hazardous.

- 1- Lead (Pb) 0.1% (<1000ppm)
- 2- Mercury (Hg) 0.1% (<1000 ppm)
- 3- Cadmium (Cd) 0.01% (<100 ppm)
- 4- Hexavalent Chromium (Cr+6) 0.1% (<1000 ppm)
- 5- Polybrominated Biphenyls (PBB) 0.1% (<1000 ppm)
- 6- Polybrominated Biphenyle Ethers (PBDE) 0.1% (<1000 ppm)

TEST RESULTS: Satisfactory

The certificate is based on test results of randomly selected sample only and shall not imply an assessment of the whole production. It is only valid in connection with test report No. 1306-1 RoHS Logo as shown below can be used.

Certification Number: AGS-P-130038-RoHS
Date of Issue: August 03, 2020
Date of Expiration: August 03, 2023



For and on Behalf of American Global Standards, LLC

USA Office: 1187 Coast Village Road, Suite 495, Montecito, CA 93108 USA
Tel: 617-838-4648
www.americanglobal.org ♦ info@americanglobal.org



Certification of Registration
AMERICAN GLOBAL STANDARDS



ISO 45001:2018

COPPERGAT CABLES (PVT) LTD



Head Office: 109-FF, Divine Mega-2, Airport Road Lahore – Pakistan
Factory: 1.5 Km, Defence Road, Main Industrial Zone, Kahna Nau,
Ferozpur Road, Lahore – Pakistan

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's occupational health & safety and finding the system conforms to the standards of:

ISO 45001:2018

The occupational health & safety is applicable to the following:

Manufacturing, Marketing, Selling & Export of LT/HT Electric Wires & Cables, AAC, ACSR Conductors, Single Core & Multicore Building Wires & Power Cables, Telecommunication, Instrumentation & Control Cables with Al-foiled/Tinned Copper Shielded Industrial Cables in Accordance with WAPDA / KESC / PSQCA / IEC / BSS / SASO / SANS / DEWA / SEWA & UL Standards

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Occupational Health & Safety Assessment Agreement.

Certification Number: AGS-P-130038-O
 Original Approval: August 03, 2018
 Date of Issue: August 03, 2020
 Date of Expiration: August 02, 2023

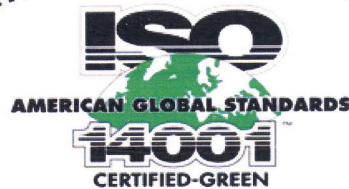


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 Tel: 617-838-4648
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CERTIFICATE OF REGISTRATION



COPPERGAT CABLES (PVT) LTD



Head Office: 109-FF, Divine Mega-2, Airport Road Lahore – Pakistan
Factory: 1.5 Km, Defence Road, Main Industrial Zone, Kahna Nau,
Ferozpur Road, Lahore – Pakistan

*American Global Standards, LLC issues this certificate to the firm named above,
 Having assessed and approved the firm's environmental management system and finding the system
 conforms to the standards of:*

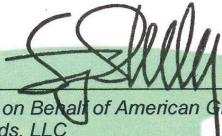
ISO 14001:2015

The environmental management system is applicable to the following:

**Manufacturing, Marketing, Selling & Export of LT/HT Electric Wires & Cables, AAC,
 ACSR Conductors, Single Core & Multicore Building Wires & Power Cables,
 Telecommunication, Instrumentation & Control Cables with Al-foiled/Tinned Copper
 Shielded Industrial Cables in Accordance with WAPDA / KESC / PSQCA / IEC / BSS /
 SASO / SANS / DEWA / SEWA & UL Standards**

*This approval is subject to the firm maintaining its system to the required standards, which will be
 monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the
 firm named above, and then only in accordance with the agreed upon Environmental Management
 System Assessment Agreement.*

Certification Number: AGS-P-130038-E
 Original Approval: August 03, 2013
 Date of Issue: August 03, 2020
 Date of Expiration: August 02, 2023


 For and on Behalf of American Global
 Standards, LLC



USA Office: 1187 Coast Village Road, Suite 495, Montecito, CA 93108 USA
 Tel: 617-838-4648
www.americanglobal.org | info@americanglobal.org





COPPERGAT CABLES (PVT) LTD



Head Office: 109-FF, Divine Mega-2, Airport Road Lahore – Pakistan
Factory: 1.5 Km, Defence Road, Main Industrial Zone, Kahna Nau,
 Ferozpur Road, Lahore – Pakistan

*American Global Standards, LLC issues this certificate to the firm named above,
 Having assessed and approved the firm's quality management system and finding the system
 conforms to the standards of:*

ISO 9001:2015

The quality management system is applicable to the following:

**Manufacturing, Marketing, Selling & Export of LT/HT Electric Wires & Cables, AAC,
 ACSR Conductors, Single Core & Multicore Building Wires & Power Cables,
 Telecommunication, Instrumentation & Control Cables with Al-foiled/Tinned Copper
 Shielded Industrial Cables in Accordance with WAPDA / KESC / PSQCA / IEC / BSS /
 SASO / SANS / DEWA / SEWA & UL Standards**

*This approval is subject to the firm maintaining its system to the required standards, which will be
 monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other
 than the firm named above, and then only in accordance with the agreed upon Quality
 Management System Assessment Agreement.*

Certification Number: AGS-P-130038-Q
 Original Approval: August 03, 2013
 Date of Issue: August 03, 2020
 Date of Expiration: August 02, 2023

*For and on Behalf of American Global
 Standards, LLC*



1187 Coast Village Road, Suite 495, Montecito, CA 93108 USA
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CERTIFICATE OF CONFORMITY



APPLICANT : COPPERGAT CABLES (PVT) LTD
LOCATION : **Head Office:** 109-FF, Divine Mega-2, Airport Road, Lahore – Pakistan
 : **Factory:** 1.5 Km, Defence Road, Main Industrial Zone, Kahna Nau, Ferozpur Road, Lahore – Pakistan
PRODUCTS : LT/HT Electric Wires & Cables, AAC.ACSR Conductors, Single Core & Multicore Building Wires & Power Cables, Telecommunication, Instrumentation & Control Cables with Al-foiled/Tinned Copper Shielded Industrial Cables

Technical Standard	BS EN/ IEC 60228, BS 6360, BS 3360, BS 6346, BS 5467, BS 6004, BS 2004, BS 7211, IEC 60754, IEC 60502-1, P-29, DDS-8
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TESTS CONDUCTED:

Electrical Properties

Conductor Area/ Resistance, Insulated Thickness, Thickness of Sheath, High Voltage Withstand Test A.C, Electrical – Insulation Resistances/ Voltages,

Mechanical Properties

Standing Formation, Material Conductor, Radial Thickness of Insulation , Radial Thickness of Sheath, Overall Diameter, Elongation of Insulation, Tensile Strength of Insulation, Elongation of Sheath, Tensile Strength of Sheath, Length, Cold Bending, Impact, Pressure, Heat Shock & Fire Tests

TEST RESULTS: SATISFACTORY

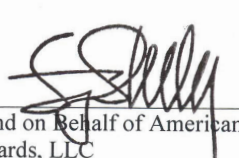
The certificate is based on test results of randomly selected sample only and shall not imply an assessment of the whole production. It is only valid in connection with test report No. CGC-Q.C/3/04 & CGC/07/2016 from ISO17025 Accredited Lab. CE Mark as shown below can be used.

Certification Number: AGS-P-130038-CE

Date of Issue: August 03, 2020

Date of Expiration: August 02, 2023



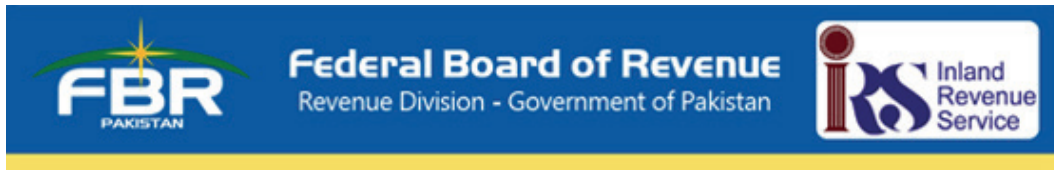

 For and on Behalf of American Global Standards, LLC

USA Office: 1187 Coast Village Road, Suite #495, Montecito, CA 93108

Tel: 617-838-4648

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159(1) / 153 (Order to grant / refuse reduced rate of withholding on Supplies / Services / Contracts) (FOR GENERIC EXEMPTION)

Name: COPPERGAT CABLES (PRIVATE) LIMITED
Address: 109- FF, DIVINE MEGA-2, AIRPORT ROAD, Lahore
Cantonment
Contact No: 00923008453619

Registration 4193968
Tax Year : 2021
Period : 01-Jan-2021 - 30-Jun-2021
Medium : Online
Due Date : 14-Jan-2021
Valid Upto : 30-Jun-2021
Document 14-Jan-2021

Fiza Batool
Commissioner (Enforcement-I)
Inland Revenue,
CTO LAHORE, NABHA ROAD
LAHORE

This is a generic exemption order, and it does not require any party additions; this order is applicable to all withholding agents.

Grams : FOUNDATION



FAUJI FOUNDATION

TRUST CREATED UNDER THE CHARITABLE ENDOWMENTS ACT 1980
FOR THE BENEFIT OF EX-SERVICEMEN AND THEIR FAMILIES

Tel: Rwp: 5951821
To
5951840

68 Tipu Road, Chaklala
Rawalpindi Cantt
P.O.Box - 216

3631/Ling/S/M

08 Jan 2015

Messrs Copper Gat Cable
109 --FF, Divine Mega - 2,
Airoport road, Lahore
Phone No., 92-42-35700461
Fax No. 92-42-35700464

Subject: - Enlistment as Approved Manufacturer for Coppergat Cable

Dear Sir,

Reference your letter No. CGL/001/786-19 dated 19 Nov 2014

1. We are pleased to inform you that your firm have been enlisted as approved manufacturer for Coppergat Cables.
2. Name of Messrs **Coppergat Cables** shall be included in the list of approved manufacturer/make for future works of Fauji Foundation.

Thanking you,

Yours faithfully,

Col Muhammad Saleem Khan (Retd)
General Manager (Engineering)

MEINHARDTMeinhardt (Pakistan) Private Limited
Project Managers, Architects, EngineersHead Office:
H# 2-A, St# 49, F-6/4, Islamabad
Tel: +9251 2273385-7www.meinhardt.com.pk
www.meinhardgroup.com

Ref: RE-NMC/1019/L/0192

Dated: 20 Oct, 2019

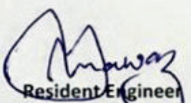
To,

203 Project Management Team

Lt. Col (R) Sr. Manager
Iftikhar Ul Hassan Javed TI (M)
Nowshera Medical College Nowshera**Subject: Establishment of Nowshera Medical College (Phase-1)****Subhead: Approved wiring cable Manufacture (COPPER GAT Cables).**

It is bring to your kind notice that **COPPERGAT CABELS** is approved cable manufacture for our project NMC.

Quality test will be conducted from consignments arrival at site.

Resident Engineer
Nowshera Medical College
Meinhardt Pakistan Pvt Ltd

Copy for information to:

1. Executive Engineer C&W building division Nowshera
2. Meinhardt Pakistan Pvt Ltd(Peshawar office)
- ✓ 3. Office copy

Abu Dhabi, Adelaide, Bahrain, Bangkok, Beijing, Brisbane, Chennai, Danang, Doha, Dubai, Hanoi, Ho Chi Minh City,
HongKong, Islamabad, Jakarta, Jeddah, Karachi, Kuala Lumpur, Kuwait, Lahore, London, Macau, Manila, Melbourne,
Muscat, Muzzafarabad, NewDelhi, Peshawar, Riyadh, Shanghai, Shenzhen, Singapore, Sydney, Tripoli



JERS ENGINEERING CONSULTANTS

124-H, Model Town, Lahore, Pakistan

Voice: +92-42-5881267 5888888
Fax: +92-42-5888888
E-mail: info@jers.com.pk, jers@wsl.net.pk
Web: <http://www.jers.com.pk>

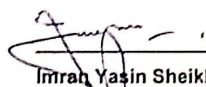
Dated: 02-03-2017

TO WHOM IT MAY CONCERN

APPROVAL OF COPPERGAT AS APPROVED MANUFACTURER

On the basis of test reports submitted with profile and recommendations from renowned reputable institutions, consultants and architects, we are pleased to approve Coppergat Brand of wires and cable for all of our undergoing and upcoming projects.

Management of coppergat will keep us updated with all advance specifications and standards.


Imran Yasin Sheikh
Chief Executive



ENGINEERING CONSULTANCY SERVICES PUNJAB (PVT) LIMITED

M/s COPPERGAT Cables (Pvt) Ltd.

Brand Approval Certificate

Having gone through the **COPPERGAT Cables** brochure containing specifications of **LT cables** of various sizes and company profile, we confirm following:

- 1- Cables are being manufactured as per National and International Standards.
- 2- Material used (Copper and PVC) are pure and virgin.
- 3- Sizes of cables in common sizes (on Sample Board) are found as correct.
- 4- COPPERGAT Cables are being used by Standards loving Customers.
- 5- COPPERGAT Cables are being consumed on reputed projects in Pakistan.

As such, we are pleased to approve **COPPERGAT Cables** and include it in our Approved list.

We wish M/s COPPERGAT Cables best of Luck and Business.

Regards,

Capt. Waris A. Shaheen



Head – Energy Division,
Engineering Consultancy Services Punjab (ECSP),
83A/E-I, Gulberg-III, Lahore-Pakistan 54000.

Dated: 06th Oct'2019.

83-A, E/1, Main Boulevard, Gulberg III, Lahore, Pakistan.

Phone: +92-42-35717681-4 Fax: +92-42-35717685 Email: info@ecsp.com.pk Website: <http://www.ecsp.com.pk>

ASSOCIATED CONSULTING ENGINEERS ACE LIMITED

Regional Office (North) Architectural & Town Planning Section

Ground Floor, 35 - Civic Center, M - Block, Model Town Extension, Lahore - 54700 Pakistan.
Phones : (9242) 35170871-74, Fax: (9242) 35170875
E-mail: acearts@acepak.com, acearts@acepak.com, Website: www.acepak.com



Project Director/ Senior Civil Engineer,
University Of Dir, Sheringal Dir Upper
Ph No. 0944-885399, Fax No. 0944-885410

Ref No: ACE/SBP/094/2473
Date: 28-10-2020

SUB: "DEVELOPMENT OF UNIVERSITY OF DIR, SHERINGAL"

Approval of the Coppergat Brand Cables of Coppergat Cables (Pvt.) Ltd., Lahore

Dear Sir,

It is to bring into your kind information that the name of Coppergat Cables (Pvt.) Ltd., Lahore has been approved and included in the list of approved manufacturers/ suppliers for ACE ARTS projects.

Thanking & assuring you of our best professional services at all times.

Yours faithfully,

Zaigham Mahmood
Chief Architect/ Team Leader

Encl: As stated above

C.C:

- Director of Works, University of Dir, Sheringal.
- Resident Engineer, ACE, Site Office, SBBU.
- Director, Coppergat Cables (Pvt.) Ltd., Lahore.



ISO 9001 Certified

Files/Letters/Letter 14 10 2020.doc
Registered Office :

Offices :

C - 46, KDA Scheme No. 1, Karachi - 75350, Pakistan

KARACHI - LAHORE - ISLAMABAD - PESHAWAR
MALAYSIA - INDONESIA - IRAN - SAUDI ARABIA

Page 1 of 1

RESTRICTED




Defence Housing Authority Multan
1 Multan Public School Road Multan
Telephone 061-111-342-686
E Mail: planning.development@dhamultan.org
File No. 701/4/P&D/DHA

6 Jul 2019

To: COPPERGAT CABLES (PVT) LTD.
All Concerned

Subject: Provision of Fresh PEC Registration for the Year 2019 /2020

1. It is intimated that your PEC Registration certificate held with this office is having validity date upto 30 Jun 2019, which has been expired. Therefore, please provide fresh PEC registration certificate of your firm till 31 Jul 2019
2. Forwarded for an immediate action, please.


Major(Retired)
Deputy Director (Planning)
(Arshad Hussain)

RESTRICTED

**AER FOR
PESHAWAR-KARACHI MOTORWAY (PKM) CONSULTANTS
Sukkur – Multan Section (392 Km)**

Joint Venture of:



SMEC
SMEC International Pty Ltd.,
Australia (Lead Firm)



Engineering General Consultants
EGC (Pvt.) Ltd.



Indus Associates Consultants (Pvt) Ltd.



National Development Consultants
Pvt. Ltd. Pakistan



Associated Consulting Engineers –ACE
(Pvt) Ltd. Lahore



Engineering Consultancy Services Punjab
(Pvt) Limited



Technical Resource Services (Pvt. Ltd.)

5065057/2/1813

23 January 2019

Executive Project Manager
M/s CSCEC Multan

**SUBJECT: PESHAWAR KARACHI MOTORWAY (SUKKUR – MULTAN SECTION)
REQUEST FOR APPROVAL OF ELECTRIC CABLE FOR ITS WORK.**

References: 1) Letter no. CSCEC-PKM-SECTION6-004/2019 dated 4th January 2019.
2) NHA GM letter No. GM(PKM)/Suk-Mul/NHA/2018/1224 dated: 20 July 2018.

Reference to the above-mentioned Memo, it is recommended to approve the manufacturer “Copper Gat Cables (Pvt) Ltd” as cable source for LT Power Cables in the subject section. However, the cable sizes and types shall be according to the approved drawings and local standards with consent of ITS Engineer/Expert. For quality assurance the factory is inspected, which founds satisfactory. Also, the contractor has attached the Certifications, Approvals from local Authorities and Type Test reports.

Cables shall be tested, witness by respective section AER RE representative prior to the installation.

Acting CRE concurs with the comments of AER Electrical Engineer, and instruct the Contractor to follow the above mentioned comments of AER Electrical Engineer.

We are instructing the Contractor directly in accordance with the powers delegated to the CRE by NHA Chairman, as communicated to us by NHA GM through reference (2) letter.

Yours faithfully,

SMEC International Pty Ltd

Muhammad Atta-Ur-Rehman
Acting Chief Resident Engineer

cc. Member Motorways (South) NHA, Lahore
GM (PKM) NHA Multan
NHA PD Section 6
AER RE Section 6 & AER Electrical Engineer
Project Manager M/s CSCEC Section 6

Lahore Office:

109, FF, Divine Mega-2, Airport
Road, Lahore, Pakistan
Ph: +92 42 35700461-3
Fax: +92 42 35700464
Email: info@coppergat.com

Islamabad Office:

Office # 61, Cricket Stadium
Double Road, Rawalpind+B20 /
Islamabad, Pakistan
Ph: +92 51 4855051-3
Mob: +92 300 8562230
+92 300 8562231

Bahawalpur Office:

Circular Road Near MCB Fareed
Gate Coppergat Cables,
Bahawalpur Pakistan.
Ph: +92 62 2785180
Mob: +92 300 8695556

Multan Office:

38- Lower Ground, Business City
Plaza, Bosan Road Multan,
Pakistan.
Ph: +92 61 6523642
+92 61 6213642
Mob: +92 300 8657952

Gujranwala Office:

Office No 3 Block C First Floor
Trust Plaza Guiranwala
Mob: +92 300 8459907

Karachi Office:

C-1 Plot#21-E, Haryani Centere,
3rd Floor 4th Commercial Lane,
DHA Phase -V. Zamzama, Karachi,
Pakistan.
Ph: +92 21 35360951-3
Mob: +92 300 8263750

Peshawar Office:

Office No B.601, 5th Floor, JB Tow-
er, Main University Road, Pesh-
war, Pakistan
Ph: +92 91 5702186
Mob: +92 300 8560461

Faisalabad office:

Dawod Colony, Near PIA Office
Susan Road, Faislabad, Pakistan
Ph: +92 41 8733334-35

Quetta office:

Office No 8 First Flor Civic Center
Engle Road Suraj Gang Bazar,
Quetta, Pakistan
Ph: +92 81 28661620
Mob: +92 300 8459907
+92 300 8381341

Sialkot office:

Umer Centere, Office# 8, Shahab
Road, Sialkot, Pakistan
Ph: +92 52 3240083
Mob: +92 300 8260083

Plant & Factory:

1.5-Km Defence Road, Main
Industrial Zone Kahna Nau,
Ferozpur Road, Lahore, Pakistan
Ph: +92 300 8453621
Fax: 092 42 35270885

**Sharjah Office:**

Coppergat Al.mawasim Engineering Co.LLC, PO Box 7242 Industrial Area-2, SHARJAH U.A.E
Ph: +971 6 5332090 +971 50 4683282, +971 55 8978220. Fax: +971 6 5332091



South Africa Office: 8-Cottonfield center Marble Hall South Africa

www.coppergat.com UAN: 111-222-425



www.coppergat.com

UAN: 111-222-425