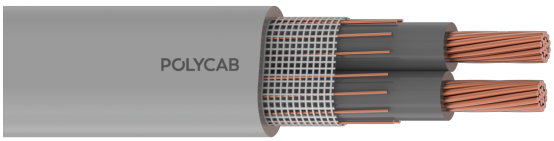
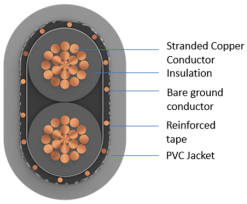
POLYCAB COPPER SE STYLE U CABLE
Industrial Cable, 600 V AC





Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Copper SE Style U cable is recommended to use in transmitting power from service point to the meter and to the distribution panel board. Further, it is applicable to all type of SE cable requirement. SEU may be used in wet or dry locations above the ground at ambient temperature not to exceed 90°C.

CHARACTERISTICS

Voltage Rating
600 V

Operation Temperature
-40°C to 90°C

CONSTRUCTION

- Stranded Class B copper conductor as per ASTM B3, ASTM B8
- Insulated with a sunlight resistant black coloured Type XHHW-2 or Type THHN/THWN-2 to UL 44 or UL 83 respectively.
- Bare concentric ground/neutral annealed copper wires wrapped helically over the insulated conductors
- A reinforced tape is applied over the cores for additional strength
- Sunlight resistant PVC jacket over the complete assembly. Colour : Grey.

Bending Radius
12 x Overall Diameter

A-C Spark Test
As per UL 44

OUTSTANDING FEATURES

- Heat resistant
- Sunlight resistant
- Moisture resistant

STANDARD FOLLOWS

UL 44
UL 83
ASTM B8, ASTM B3
UL 854
National Electrical Code/NFPA 70,2011 Edition

COMPLIANCE

Conductor resistance test	UL 1581
Insulation resistance	UL 44
Cold bend test	UL 44
Flame test	UL 1581
Vertical tray flame test	UL 854

RoHS
REACH

OUR ACCREDITATIONS

APPROVAL

LISTED

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Dimensional Characteristics:

No. of core	Conductor size	Insulation thickness	Dimension (L X W)	Approximate weight per 1000'
	AWG or kcmil	mils	mils	lbs
SEU Copper Two conductor with Bare ground (Formerly referred as "Three conductor")				
3	8-8-8	45	622 X 386	222
3	6-6-6	45	700 X 427	329
3	4-4-4	45	820 X 499	503
3	3-3-3	45	892 X 542	625
3	2-2-2	45	957 X 575	773
3	1-1-1	55	1129 X 687	994
3	1/0-1/0-1/0	55	1208 X 726	1225
3	2/0-2/0-2/0	55	1319 X 790	1519
3	3/0-3/0-3/0	55	1469 X 889	1891
3	4/0-4/0-4/0	55	1582 X 944	2366
3	6-6-8	45	697 X 424	293
3	4-4-6	45	796 X 475	440
3	3-3-5	45	853 X 504	542
3	2-2-4	45	942 X 560	677

The above calculation is done considering XHHW-2 insulation

*Above values are approximate and subject to standard manufacturing tolerance

Electrical Characteristics:

Size	*Allowable ampacity			Maximum DC resistance at 20°C
AWG	Amp.			
	60°C	75°C	90°C	Ω/km
8	40	50	55	2.144
6	55	65	75	1.348
4	70	85	95	0.8481
3	85	100	115	0.6727
2	95	115	130	0.5335
1	110	130	145	0.423
1/0	125	150	170	0.3354
2/0	145	175	195	0.266
3/0	165	200	225	0.211
4/0	195	230	260	0.1673

*Allowable ampacities shown are for general use as specified by the NEC 2011 Edition Section 310.16.

60°C – When terminated to equipment for circuit rated 100 ampere or less or marked for 14 through 1AWG conductor.

75°C – When terminated to equipment for circuit rated 100 ampere or less or marked for 14 through 1AWG conductor.

90°C – wet or dry locations for ampacity derating purposes