

## EPR/TS-CPE



### Product Description

EPR insulation  
TS-CPE jacket  
90°C wet/dry  
UL Listed, VW-1

### Applications

General purpose wiring for control, switchboard, lighting and power circuits in residential and commercial buildings, industrial plants and for utility substations, meters and generating plants. Ideally suited for applications where increased durability is required.

### Specifications

- CONDUCTOR: Tin-coated compressed Class B stranding per ASTM B8 and ASTM B33
- INSULATION: Ethylene Propylene Rubber (EPR) per ICEA S-95-658 (NEMA WC70)
- OVERALL JACKET: Thermoset Chlorinated Polyethylene (TS-CPE)
- STANDARDS: Cable is listed as Type USE-2 per UL 854 and RHH/RHW-2 per UL 44. All sizes have VW-1 flame rating per UL 2556. In sizes 1/0 and larger cable is rated "for CT use" and passes the IEEE 383 and IEEE1202/CSA FT-4 flame tests. Cable meets the limited smoke (-LS) requirements of UL 1685
- AMPACITY: Based on not more than three conductors in raceway or cable or earth per 2008 NEC Table 310.16 with an ambient temperature of 30°C
- TEMPERATURE: 90°C
- VOLTAGE: 600 V

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All part numbers require color code designation. For a similar cable with more flexible (Class H) stranding and a single layer TS-CPE insulation/jacket use prefix 3BF when ordering. Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
3BE-1401	14	7	0.030	0.015	0.170	25	25
3BE-1201	12	7	0.030	0.015	0.190	35	30
3BE-1001	10	7	0.030	0.015	0.210	50	40
3BE-0801	8	7	0.045	0.030	0.280	81	55
3BE-0601	6	7	0.045	0.030	0.350	130	75
3BE-0401	4	7	0.045	0.030	0.400	185	95
3BE-0201	2	7	0.045	0.030	0.460	275	130
3BE-0101	1	19	0.055	0.045	0.540	360	150
3BE-1011	1/0	19	0.055	0.045	0.590	440	170
3BE-2021	2/0	19	0.055	0.045	0.630	535	195
3BE-3031	3/0	19	0.055	0.045	0.680	655	225
3BE-4041	4/0	19	0.055	0.045	0.740	810	260
3BE-2501	250	37	0.065	0.065	0.850	990	290
3BE-3501	350	37	0.065	0.065	0.960	1,335	350
3BE-5001	500	37	0.065	0.065	1.100	1,850	430
3BE-7501	750	61	0.080	0.065	1.320	2,720	535
3BE-10001	1000	61	0.080	0.065	1.470	3,560	615

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**Conductor Insulation Color Code chart**  
**ICEA Method 4: All conductors black\***

Conductor	Conductor Printing	Conductor	Conductor Printing	Conductor	Conductor Printing
1 <sup>st</sup> .	"1-ONE-1"	18 <sup>th</sup> .	"18-EIGHTEEN-18"	35 <sup>th</sup> .	"35-THIRTY-FIVE-35"
2 <sup>nd</sup> .	"2-TWO-2"	19 <sup>th</sup> .	"19-NINETEEN-19"	36 <sup>th</sup> .	"36-THIRTY-SIX-36"
3 <sup>rd</sup> .	"3-THREE-3"	20 <sup>th</sup> .	"20-TWENTY-20"	37 <sup>th</sup> .	"37-THIRTY-SEVEN-37"
4 <sup>th</sup> .	"4-FOUR-4"	21 <sup>st</sup> .	"21-TWENTY-ONE-21"	38 <sup>th</sup> .	"38-THIRTY-EIGHT-38"
5 <sup>th</sup> .	"5-FIVE-5"	22 <sup>nd</sup> .	"22-TWENTY-TWO-22"	39 <sup>th</sup> .	"39-THIRTY-NINE-39"
6 <sup>th</sup> .	"6-SIX-6"	23 <sup>rd</sup> .	"23-TWENTY-THREE-23"	40 <sup>th</sup> .	"40-FORTY-40"
7 <sup>th</sup> .	"7-SEVEN-7"	24 <sup>th</sup> .	"24-TWENTY-FOUR-24"	41 <sup>st</sup> .	"41-FORTY-ONE-41"
8 <sup>th</sup> .	"8-EIGHT-8"	25 <sup>th</sup> .	"25-TWENTY-FIVE-25"	42 <sup>nd</sup> .	"42-FORTY-TWO-42"
9 <sup>th</sup> .	"9-NINE-9"	26 <sup>th</sup> .	"26-TWENTY-SIX-26"	43 <sup>rd</sup> .	"43-FORTY-THREE-43"
10 <sup>th</sup> .	"10-TEN-10"	27 <sup>th</sup> .	"27-TWENTY-SEVEN-27"	44 <sup>th</sup> .	"44-FORTY-FOUR-44"
11 <sup>th</sup> .	"11-ELEVEN-11"	28 <sup>th</sup> .	"28-TWENTY-EIGHT-28"	45 <sup>th</sup> .	"45-FORTY-FIVE-45"
12 <sup>th</sup> .	"12-TWELVE-12"	29 <sup>th</sup> .	"29-TWENTY-NINE-29"	46 <sup>th</sup> .	"46-FORTY-SIX-46"
13 <sup>th</sup> .	"13-THIRTEEN-13"	30 <sup>th</sup> .	"30-THIRTY-30"	47 <sup>th</sup> .	"47-FORTY-SEVEN-47"
14 <sup>th</sup> .	"14-FOURTEEN-14"	31 <sup>st</sup> .	"31-THIRTY-ONE-31"	48 <sup>th</sup> .	"48-FORTY-EIGHT-48"
15 <sup>th</sup> .	"15-FIFTEEN-15"	32 <sup>nd</sup> .	"32-THIRTY-TWO-32"	49 <sup>th</sup> .	"49-FORTY-NINE-49"
16 <sup>th</sup> .	"16-SIXTEEN-16"	33 <sup>rd</sup> .	"33-THIRTY-THREE-33"	50 <sup>th</sup> .	"50-FIFTY-50"
17 <sup>th</sup> .	"17-SEVENTEEN-17"	34 <sup>th</sup> .	"34-THIRTY-FOUR-34"		

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