

## TEMPERATURE CONVERSION TABLE

Degrees Celsius		Degrees Fahrenheit	Degrees Celsius		Degrees Fahrenheit	Degrees Celsius		Degrees Fahrenheit	Degrees Celsius	
-17.8	<b>0</b>	32.0	2.2	<b>36</b>	96.8	22.2	<b>72</b>	161.6	82.2	<b>180</b>
-17.2	<b>1</b>	33.8	2.8	<b>37</b>	98.6	22.8	<b>73</b>	163.4	88.0	<b>190</b>
-16.7	<b>2</b>	35.6	3.3	<b>38</b>	100.4	23.3	<b>74</b>	165.2	93.3	<b>200</b>
-16.1	<b>3</b>	37.4	3.9	<b>39</b>	102.2	23.9	<b>75</b>	167.0	98.9	<b>210</b>
-15.5	<b>4</b>	39.2	4.4	<b>40</b>	104.0	24.4	<b>76</b>	168.8	100	<b>212</b>
-15.0	<b>5</b>	41.0	4.9	<b>41</b>	105.8	25.0	<b>77</b>	170.6	104	<b>220</b>
-14.4	<b>6</b>	42.8	5.6	<b>42</b>	107.6	25.6	<b>78</b>	172.4	110	<b>230</b>
-13.9	<b>7</b>	44.6	6.1	<b>43</b>	109.4	26.1	<b>79</b>	174.2	115	<b>240</b>
-13.3	<b>8</b>	46.4	6.7	<b>44</b>	111.2	26.6	<b>80</b>	176.0	121	<b>250</b>
-12.8	<b>9</b>	48.2	7.2	<b>45</b>	113.0	27.2	<b>81</b>	177.8	127	<b>260</b>
-12.2	<b>10</b>	50.0	7.8	<b>46</b>	114.8	27.8	<b>82</b>	179.6	132	<b>270</b>
-11.6	<b>11</b>	51.8	8.3	<b>47</b>	116.6	28.3	<b>83</b>	181.4	138	<b>280</b>
-11.1	<b>12</b>	53.6	8.9	<b>48</b>	118.4	28.9	<b>84</b>	183.2	143	<b>290</b>
-10.6	<b>13</b>	55.4	9.4	<b>49</b>	120.2	29.4	<b>85</b>	185.0	149	<b>300</b>
-10.0	<b>14</b>	57.2	10.0	<b>50</b>	122.0	29.9	<b>86</b>	186.8	154	<b>310</b>
-9.4	<b>15</b>	59.0	10.6	<b>51</b>	123.8	30.6	<b>87</b>	188.6	160	<b>320</b>
-8.9	<b>16</b>	60.8	11.1	<b>52</b>	125.6	31.0	<b>88</b>	190.4	165	<b>330</b>
-8.3	<b>17</b>	62.6	11.7	<b>53</b>	127.4	31.6	<b>89</b>	192.2	171	<b>340</b>
-7.8	<b>18</b>	64.4	12.2	<b>54</b>	129.2	32.2	<b>90</b>	194.0	177	<b>350</b>
-7.2	<b>19</b>	66.2	12.8	<b>55</b>	131.0	32.6	<b>91</b>	195.8	182	<b>360</b>
-6.7	<b>20</b>	68.0	13.3	<b>56</b>	132.8	33.3	<b>92</b>	197.6	188	<b>370</b>
-6.1	<b>21</b>	69.8	13.7	<b>57</b>	134.6	33.8	<b>93</b>	199.4	193	<b>380</b>
-5.5	<b>22</b>	71.6	14.4	<b>58</b>	136.4	34.4	<b>94</b>	201.2	199	<b>390</b>
-5.0	<b>23</b>	73.4	15.0	<b>59</b>	138.2	35.0	<b>95</b>	203.0	204	<b>400</b>
-4.4	<b>24</b>	75.2	15.6	<b>60</b>	140.0	35.5	<b>96</b>	204.8	210	<b>410</b>
-3.9	<b>25</b>	77.0	16.1	<b>61</b>	141.8	36.1	<b>97</b>	206.6	215	<b>420</b>
-3.3	<b>26</b>	78.8	16.7	<b>62</b>	143.6	26.6	<b>98</b>	208.4	221	<b>430</b>
-2.8	<b>27</b>	80.6	17.2	<b>63</b>	145.4	37.2	<b>99</b>	210.2	226	<b>440</b>
-2.2	<b>28</b>	82.4	17.8	<b>64</b>	147.2	38.0	<b>100</b>	212	232	<b>450</b>
-1.7	<b>29</b>	84.2	18.2	<b>65</b>	149.0	43.3	<b>110</b>	230	238	<b>460</b>
-1.1	<b>30</b>	86.0	18.9	<b>66</b>	150.8	48.9	<b>120</b>	248	243	<b>470</b>
-0.6	<b>31</b>	87.8	19.4	<b>67</b>	152.6	54.4	<b>130</b>	266	249	<b>480</b>
0.0	<b>32</b>	89.6	20.0	<b>68</b>	154.4	60.0	<b>140</b>	284	254.0	<b>490</b>
0.6	<b>33</b>	91.4	20.6	<b>69</b>	156.2	65.6	<b>150</b>	302	260.0	<b>500</b>
1.1	<b>34</b>	93.2	21.1	<b>70</b>	158.0	71.0	<b>160</b>	320		
1.7	<b>35</b>	95.0	21.7	<b>71</b>	159.8	76.7	<b>170</b>	338		

The numbers in heavy type refer to the temperature either in degrees Celsius or Farenheit which is desired to convert into the other scale.  
 The figures have been calculated by using the following formulae:-  $C^{\circ} = 5/9 \times (F^{\circ} - 32)$        $F^{\circ} = (9/5 \times C^{\circ} + 32)$

## RESISTANCE TEMPERATURE CORRECTION FACTORS FOR HIGH CONDUCTIVITY ANNEALED COPPER WIRE

Degrees Celsius	Factor	Degrees Celsius	Factor	Degrees Celsius	Factor	Degrees Celsius	Factor	Degrees Celsius	Factor	Degrees Celsius
0	0.9214	18	0.9921	36	1.0629	54	1.1336	72	1.2044	90
1	0.9253	19	0.9961	37	1.0668	55	1.1376	73	1.2083	91
2	0.9293	20	1.0000	38	1.0707	56	1.1415	74	1.2122	92
3	0.9332	21	1.0039	39	1.0747	57	1.1454	75	1.2162	93
4	0.9371	22	1.0079	40	1.0786	58	1.1493	76	1.2201	94
5	0.9411	23	1.0118	41	1.0825	59	1.1533	77	1.2240	95
6	0.9450	24	1.0157	42	1.0865	60	1.1572	78	1.2279	96
7	0.9489	25	1.0197	43	1.0904	61	1.1611	79	1.2319	97
8	0.9528	26	1.0236	44	1.0943	62	1.1651	80	1.2358	98
9	0.9568	27	1.0275	45	1.0983	63	1.1680	81	1.2397	99
10	0.9607	28	1.0314	46	1.1022	64	1.1729	82	1.2437	100
11	0.9646	29	1.0354	47	1.1061	65	1.1769	83	1.2476	
12	0.9686	30	1.0393	48	1.1100	66	1.1808	84	1.2515	
13	0.9725	31	1.0432	49	1.1140	67	1.1847	85	1.2555	
14	0.9764	32	1.0472	50	1.1179	68	1.1886	86	1.2594	
15	0.9804	33	1.0511	51	1.1218	69	1.1926	87	1.2633	
16	0.9843	34	1.0550	52	1.1258	70	1.1965	88	1.2672	
17	0.9882	35	1.0590	53	1.1297	71	1.2004	89	1.2712	

To convert resistance at 20°C to any other temperature - multiply by the factor.  
 To convert resistance from any given temperature to 20°C - divide by the factor