

PUR Single Core cold resistant, halogen-free



Technical data

- PUR-single cores, halogen-free
- **Temperature range**
-40°C to +80°C
(up to +100°C for short time)
- **Operating voltage** 1000 V
- **Test voltage**
3500 V, 15 min.
- **Minimum bending radius**
occasionally moved 10x core Ø
fixed installation 5x core Ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- Bare copper-conductor, to
DIN VDE 0295 cl.5, fine-wire,
BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special PUR
- Core identification see table below

Properties

- Halogen-free
- Flexible at low temperatures up to -40°C
- Resistant against pressure
- Overroll steady
- Cut and scratchproof

Resistant to

- Oil
- See and waste water
- Acids
- Lye
- UV-radiation

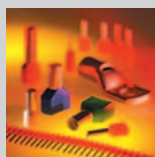
Application

PUR-single cores are suited for installation in switch cabinets, cable assemblies and electronic equipment. Inductive loops in the road surface for controlling of light signalling equipment.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

| Cross-sec. mm ² approx. RAL | Outer Ø approx. mm | Cop. weight kg / km | BK 9005 | GN-YE - | BU 5015 | BN 8003 | RD 3000 | WH 1013 | GY 7000 | VT 4005 | YE 1021 | PK 3015 | TRANS - | D-BU 5010 | OG 2003 | BEIGE 1001 | 2-col. - |
|--|--------------------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|---------|------------|----------|
| Part no. 0,5 | 2,2 | 4,8 | 50651 | 50650 | 50652 | 50653 | 50654 | 50655 | 50656 | 50657 | 50658 | 50661 | 50660 | 50662 | 50659 | 50663 | 50664 |
| Part no. 0,75 | 2,4 | 7,2 | 50666 | 50665 | 50667 | 50668 | 50669 | 50670 | 50671 | 50672 | 50673 | 50676 | 50675 | 50677 | 50674 | 50678 | 50679 |
| Part no. 1 | 2,5 | 9,6 | 50681 | 50680 | 50682 | 50683 | 50684 | 50685 | 50686 | 50687 | 50688 | 50691 | 50690 | 50692 | 50689 | 50693 | 50694 |
| Part no. 1,5 | 3,0 | 14,4 | 50696 | 50695 | 50697 | 50698 | 50699 | 50700 | 50701 | 50702 | 50703 | 50706 | 50705 | 50707 | 50704 | 50708 | 50709 |
| Part no. 2,5 | 3,7 | 24,0 | 50711 | 50710 | 50712 | 50713 | 50714 | 50715 | 50716 | 50717 | 50718 | 50721 | 50720 | 50722 | 50719 | 50723 | 50724 |
| Part no. 4 | 4,3 | 38,0 | 50726 | 50725 | 50727 | 50728 | 50729 | 50730 | 50731 | 50732 | 50733 | 50736 | 50735 | 50737 | 50734 | 50738 | 50739 |
| Part no. 6 | 5,1 | 58,0 | 50741 | 50740 | 50742 | 50743 | 50744 | 50745 | 50746 | 50747 | 50748 | 50751 | 50750 | 50752 | 50749 | 50753 | 50754 |
| Part no. 10 | 6,8 | 96,0 | 50756 | 50755 | 50757 | 50758 | 50759 | 50760 | 50761 | 50762 | 50763 | 50766 | 50765 | 50767 | 50764 | 50768 | 50769 |
| Part no. 16 | 7,8 | 154,0 | 50771 | 50770 | 50772 | 50773 | 50774 | 50775 | 50776 | 50777 | 50778 | 50781 | 50780 | 50782 | 50779 | 50783 | 50784 |
| Part no. 25 | 10,0 | 240,0 | 50786 | 50785 | 50787 | 50788 | 50789 | 50790 | 50791 | 50792 | 50793 | 50796 | 50795 | 50797 | 50794 | 50798 | 50799 |
| Part no. 35 | 11,4 | 336,0 | 50801 | 50800 | 50802 | 50803 | 50804 | 50805 | 50806 | 50807 | 50808 | 50811 | 50810 | 50812 | 50809 | 50813 | 50814 |
| Part no. 50 | 13,2 | 480,0 | 50816 | 50815 | 50817 | 50818 | 50819 | 50820 | 50821 | 50822 | 50823 | 50826 | 50825 | 50827 | 50824 | 50828 | 50829 |
| Part no. 70 | 15,4 | 672,0 | 50831 | 50830 | 50832 | 50833 | 50834 | 50835 | 50836 | 50837 | 50838 | 50841 | 50840 | 50842 | 50839 | 50843 | 50844 |
| Part no. 95 | 17,7 | 912,0 | 50846 | 50845 | 50847 | 50848 | 50849 | 50850 | 50851 | 50852 | 50853 | 50856 | 50855 | 50857 | 50854 | 50858 | 50859 |
| Part no. 120 | 19,2 | 1152,0 | 50861 | 50860 | 50862 | 50863 | 50864 | 50865 | 50866 | 50867 | 50868 | 50871 | 50870 | 50872 | 50869 | 50873 | 50874 |
| Part no. 150 | 22,0 | 1440,0 | 50876 | 50875 | 50877 | 50878 | 50879 | 50880 | 50881 | 50882 | 50883 | 50886 | 50885 | 50887 | 50884 | 50888 | 50889 |

Dimensions and specifications may be changed without prior notice. (RK01)



Suitable accessories can be found in Chapter X.

- Core end sleeve - ADI
- Core end sleeve - ADU