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| **CBL ELEC N-ARM FIRE,0.45/0.75KV,5X4MM²**Fire spec non armoured electrical cableFlammability properties        FLAME RETANDANTVoltage                        0.45/0.75 kVConstruction                   Cu/EPR/SE4Mat, conductor wire            COPPERMat spec, insulation           EPRMat spec, outer sheath         SE4Colour, outer sheath           BLACKIdentification, cores          BLUE(N) + GREEN/YELLOW(PE)BROWN(L1), BLACK(L2), GREY(L3)Number, cores                  5Cross section, cores           4 mm²Diameter, od, overall          15.6 mm (NOTE LESS)19.9 mmShape                          CIRCULARClass                          5 (BS EN 60228 / GOST 22483)Standard                       IEC 60228/GOST 22483Current rating, short-circuit  1.36/0.61/0.43 kA(0.1/0.5/1.0 s)Separation layer               SYNTHETIC TAPE/TALC POWDER OR OTHERSIMILAR MATERIALTemperature rating, operating  +60 °C (MAX)Bending radius, min            159 mm (8 x D)Resistance, conductor, min     4.95 ohm/km AT 20 ºCReactance, max                 0.098 ohm/km AT 50 HzCurrent rating, air            34 A AT 30 °C (ADMISSIBLESUSTAINED)Temperature rating, conductor  200/250 °CClimate application            HL/UHL 1 GOST 15150Temperature rating , ambient   -50 / +50 °CRelative humidity              98 %  AT 35 °CInstallation temperature       -10 °C (WITHOUT PRE-HEATING)Service life                   25 YR (MIN)Warranty rated life            1 YRWeigh                          540 kgs/kmOperation requirementS:1.Place of operation:Onshore technological complexes.The cables in all respects, be suitable for operation inconditions prevailing within a typical petrochemicalfacility and the stated service conditions where theatmosphere shall be regarded as saliferous and corrosive,as commonly encountered in installations in close proximityto the2. Appointment:A) Stationary laying conditions (motionless)- YesB)Non-stationary laying conditions (in motion) -NoCompliance internal requirements of company sakhalin energy:1000-S-40-68-S-0003-00 Technical specification for electriccables / wires and glands onshoreCompliance with regulatory requirements:IEC 60245-4/ ГОСТ IEC 60245-4IEC 61034-2 / GOST IEC 61034-2 (minimum light transmissionvalue of 60%)IEC 60754-1 / GOST IEC 60754-1 (maximum halogen gas emissionof 0.5%)IEC 60754-2 / GOST IEC 60754-2(index pH ≥ 4.3, conductivity≤ 10 μS.mm-1)IEC 60684-2 (maximum fluorine emission 0.1%)IEC 60332-1-2 / ГОСТ IEC 60332-1-2(flame retardant cable atsingle laying)IEC 60079-14 / GOST IEC 60079-14  and(or) GOST R 58342 (forcable use in hazardous classified areas)Notes:1. Any deviations from the stated requirements must becommunicated to the Customer and agreed.2.Requirements for the need to conduct tests for resistanceto ozone are set when ordering. The length of the cable onthe drum is agreed upon when ordering.3. Installation Method E(МЭК60364-5-52 / GOST R 50571-5-52)for Three loaded conductors in air, at 30 ºCOthers:The size of the cable entry is determined when choosing thesupplier / manufacturer of cable productsAbbreviations:Cu – copperEPR - Ethylene-propylene rubberSE4 - Cable in a compound sheath based on polychloroprenecompound (PCP) or other equivalent synthetic elastomerA01 Vendor Master Data Schedule (VMDS)B07 Vendor's Declaration of ComplianceH18 Catalogue DataK04 Factory Acceptance Test ReportsK38 CU TR Certificate / Declaration of Conformity for Low Voltage EquipmentK39 RF / CU TR Fire Safety Certificate of ConformityL04 Quality Management Accreditation (including any manufacturing licenses held by Vendor, e.g. API, ASME etc.)P06 Preparation for Shipping with Recommended Handling, Storage & Preservation ProceduresRecommended for purchase in Russian Federation | 30 | **M** |
| **CBL ELEC N-ARM FIRE,0.45/0.75KV,3X2.5MM²**Fire spec non armoured electrical cableFlammability properties        FLAME RETANDANTVoltage                        0.45/0.75 kVConstruction                   Cu/EPR/SE4Mat, conductor wire            COPPERMat spec, insulation           EPRMat spec, outer sheath         SE4Colour, outer sheath           BLACKIdentification, cores          BROWN(L1), BLACK(L2), GREY(L3)Number, cores                  3Cross section, cores           2.5 mm²Diameter, od, overall          10.9 mm (NOTE LESS)14.0 mmShape                          CIRCULARClass                          5 (BS EN 60228 / GOST 22483)Standard                       IEC 60228/GOST 22483Current rating, short-circuit  0.85/0.38/0.27 kA(0.1/0.5/1.0 s)Separation layer               SYNTHETIC TAPE/TALC POWDER OR OTHERSIMILAR MATERIALTemperature rating, operating  +60 °C (MAX)Bending radius, min            112 mm (8 x D)Resistance, conductor, min     7.98 ohm/km AT 20 ºCReactance, max                 0.105 ohm/km AT 50 HzCurrent rating, air            25 A AT 30 °C (ADMISSIBLESUSTAINED)Temperature rating, conductor  200/250 °CClimate application            HL/UHL 1 GOST 15150Temperature rating , ambient   -50 / +50 °CRelative humidity              98 %  AT 35 °CInstallation temperature       -10 °C (WITHOUT PRE-HEATING)Service life                   25 YR (MIN)Warranty rated life            1 YRWeigh                          250 kgs/kmOperation requirementS:1.Place of operation:Onshore technological complexes.The cables in all respects, be suitable for operation inconditions prevailing within a typical petrochemicalfacility and the stated service conditions where theatmosphere shall be regarded as saliferous and corrosive,as commonly encountered in installations in close proximityto the2. Appointment:A) Stationary laying conditions (motionless)- YesB)Non-stationary laying conditions (in motion) -NoCompliance internal requirements of company sakhalin energy:1000-S-40-68-S-0003-00 Technical specification for electriccables / wires and glands onshoreCompliance with regulatory requirements:IEC 60245-4/ ГОСТ IEC 60245-4IEC 61034-2 / GOST IEC 61034-2 (minimum light transmissionvalue of 60%)IEC 60754-1 / GOST IEC 60754-1 (maximum halogen gas emissionof 0.5%)IEC 60754-2 / GOST IEC 60754-2(index pH ≥ 4.3, conductivity≤ 10 μS.mm-1)IEC 60684-2 (maximum fluorine emission 0.1%)IEC 60332-1-2 / ГОСТ IEC 60332-1-2(flame retardant cable atsingle laying)IEC 60079-14 / GOST IEC 60079-14  and(or) GOST R 58342 (forcable use in hazardous classified areas)Notes:1. Any deviations from the stated requirements must becommunicated to the Customer and agreed.2.Requirements for the need to conduct tests for resistanceto ozone are set when ordering. The length of the cable onthe drum is agreed upon when ordering.3. Installation Method E(МЭК60364-5-52 / GOST R 50571-5-52)for Three loaded conductors in air, at 30 ºCOthers:The size of the cable entry is determined when choosing thesupplier / manufacturer of cable productsAbbreviations:Cu – copperEPR - Ethylene-propylene rubberSE4 - Cable in a compound sheath based on polychloroprenecompound (PCP) or other equivalent synthetic elastomerA01 Vendor Master Data Schedule (VMDS)B07 Vendor's Declaration of ComplianceH18 Catalogue DataK04 Factory Acceptance Test ReportsK38 CU TR Certificate / Declaration of Conformity for Low Voltage EquipmentK39 RF / CU TR Fire Safety Certificate of ConformityL04 Quality Management Accreditation (including any manufacturing licenses held by Vendor, e.g. API, ASME etc.)P06 Preparation for Shipping with Recommended Handling, Storage & Preservation ProceduresRecommended for purchase in Russian Federation | 500 | **M** |