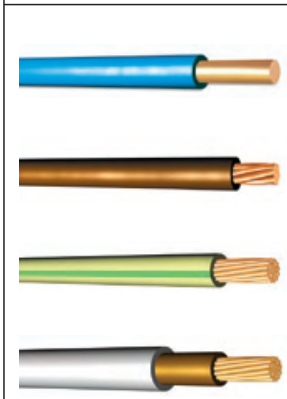
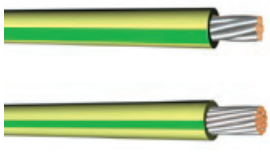
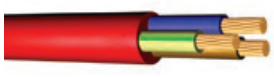
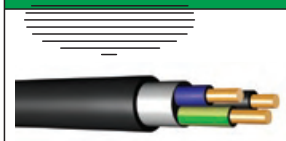
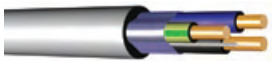
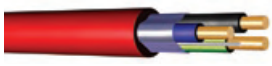
LOW VOLTAGE POWER, CONTROL AND INSTRUMENTATION CABLES
FOR FIXED INSTALLATION AND FLEXIBLE CORDS

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
PVC INSULATED SINGLE CORE NON-SHEATHED CABLES						
	H05V-U	BS 6004 DIN VDE 0281-3 NF C 32-201-3 PN-HD 21.3 S3	300/500	1	0.5÷1	Suitable for installations in surface mounted or embedded conduits, only for signalling or control circuits.
	H05V-R					
	H05V-K					
	H05V2-U	BS 6004 DIN VDE 0281-7 NF C 32-201-7 PN-HD 21.7 S2	300/500	1	0.5÷1	Heat resistant cables for internal wiring only. Not suitable for fixed installations in distribution systems.
	H05V2-R					
	H05V2-K					
	H07V-U	BS 6004 DIN VDE 0281-3 NF C 32-201-3 PN-HD 21.3 S3	450/750	1	1.5÷10	Suitable for use in channels with cover and for fixed protected installation in or on lighting fittings and inside appliances, switchgear and controlgear for voltages up to 1000V a.c. or, up to 750V d.c. to earth.
	H07V-R				1.5÷400	
	H07V-K				1.5÷240	
	H07V2-U	BS 6004 DIN VDE 0281-7 NF C 32-201-7 PN-HD 21.7 S2	450/750	1	1.5÷2.5	Heat resistant cables for internal wiring and fixed protected installation inside appliances and in lighting fittings. Not suitable for fixed installations in distribution systems.
	H07V2-R			1	1.5÷35	
	H07V2-K			1	1.5÷35	
	PVC Insulated Single Core Non-Sheathed Cables	AS/NZS 5000,1	600/1000	1	1.0÷150	For Separate Earth Conductors. Switchboard & Panel Wiring, Fixed Wiring within Enclosures & Apparatus.
	SDI Cable PVC Ins. PVC Sheathed Single Core Cables	AS/NZS 5000,1	450/750	1	1.0÷16	For Mains, Submains & Subcircuits. Unenclosed, Enclosed, Buried or in Underground Ducts where it is not subject to Mechanical Damage. Max Operating Temperature 75°C
LOW SMOKE HALOGEN FREE SINGLE CORE NON-SHEATHED CABLES						
	H05Z-U	BS 7211 DIN VDE 0282-9	300/500	1	0.5÷1	For installation in surface mounted or embedded conduits, or similar closed systems, particularly for situations in which low emission of smoke and acid gases is required in the case of burning. Suitable for fixed protected installation in, or on, lighting and control gear for voltages up to 1000V a.c. or, up to 750V d.c. to earth.
	H05Z-K					
	H07Z-U	BS 7211 DIN VDE 0282-9	450/750	1	1.5÷10	
	H07Z-R			1	1.5÷400	
	H07Z-K			1	1.5÷240	
RUBBER, HEAT RESISTING SINGLE CORE NON-SHEATHED CABLES						
	H05G-U	DIN VDE 0282-7 BS 60D07	300/500	1	0.5÷1	Single core, rubber insulated cables for inner cabling of heating systems. In normal use the maximum permissible conductor temperature is 110°C.
	H05G-K					
	H07G-U	DIN VE 0282-7 BS 6007	450/750	1	1.5÷10	Single core, rubber insulated cables for internal wiring in dry locations only. For fixed installations or elsewhere, e.g. visible or embedded conduits or tubes. In normal use the maximum permissible conductor temperature is 110°C.
	H07G-R			1	1.5÷240	
	H07G-K			1	1.5÷240	

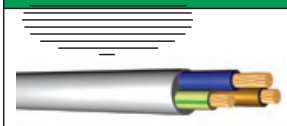
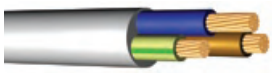
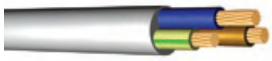
ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
UNSCREENED FIXED INSTALLATION CABLES						
	NYM-J **NYM-O**	DIN VDE 0250-204	300/500	1 2÷5 7 10÷12	1.5÷16 1.5÷35 1.5÷2.5 1.5	For fixed installation. Usable in the open, in dry, damp and wet environments in the open and concealed, as well as in masonry and in concrete, not suitable for imbedding in solidified - or compressed concrete. Outdoor usage is only possible, as long as the cable is protected against direct sunlight. Cables YDY, YLY with green/yellow core are designated with "żo" (e.g.YDYżo).
	YDY	ZN-92/MP-13 -K12173 PN-HD 21.4 S2	300/500	1 2÷7	1,5÷10 1÷10	
	YLY			1 2÷5 7, 10	1÷16 1÷35 1÷10	
	**YDY**	PN-87/E-90056	450/750	2÷4	1÷6	
	YLY		0,6/1	1÷4 5÷10	1÷150 1÷10	
	CYKY	Adapted to: CSN 34 7656 CSN 34 7657	750	2÷5 7÷12 19÷48	1,5÷16 1,5÷4 1,5÷4	
	EKK, FKK	SS 424 02 34	300/500	2÷5	1.5÷35	
	FR-N05VV-U	NF C 32-207	300/500	2÷5	1.5÷35	
	FR-N05VV-R					
	PFXP	HD 21.4 S2	300/500	2÷5	1.5÷35	
	VMvK	KEMA K 36 C-4	450/750	1 2÷4 5 6÷61	1.5÷300 1.5÷35 1.5÷25 1.5÷2.5	
	**PVC-insulated and PVC-sheathed cables with circuit protective conductor UK Ref. 624(*)Y**	BS 6004	300/500	1 2 3	1÷1.5 1÷16 1÷16	Single core, flat twin and 3-core, PVC sheathed cables. Fixed installation in dry or damp premises. Suitable for installation in walls, on boards and in channels or embedded in plaster.
	**PVC-insulated and PVC-sheathed cables UK Ref. 6181Y 619(*)Y**	BS 6004	300/500	1 2 3	1÷35 1÷16 1÷16	
	**CYKYLo**	Refer to individual product descriptions	450/750	2÷4	1.5÷4	Fixed installation in dry or damp premises. Suitable for installation in walls, on boards and in channels or embedded in plaster.
	**XLPE Ins. PVC Sheathed Single Core Cables**	AZ/NZS 5000,1	600/1000	1	25÷630	For Mains, Submains & Subcircuits. Unenclosed, Enclosed, Buried or in Underground Ducts where it is not subject to Mechanical Damage. Max Operating Temperature 90°C
	**TPS Cable PVC Ins. PVC Sheathed Flat Cables**	AZ/NZS 5000,2	450/750	2.2+E 3.3+E	1.0÷16	For General Wiring and Fire Alarm Systems, Unenclosed, enclosed in conduit, buried direct or in underground ducts in domestic, commercial and industrial installations that are not subject to mechanical damage.
	**PVC Ins. PVC Sheathed Circular Cable Orange Sheath**	AZ/NZS 5000,1 5000,2	450/750 600/1000	2+E 3+E 4+E	1.5÷300	For Mains, Submains & Subcircuits. Unenclosed, Enclosed, Buried or in Underground Ducts where it is not subject to Mechanical Damage. Max Operating Temperature 75°C

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
UNSCREENED FIXED INSTALLATION CABLES						
	XLPE Ins. PVC Sheathed Circular Cable Orange Sheath	AZ/NZS 5000,1	600/1000	2+E 3+E 4+E	1.5÷300	For Mains, Submains & Subcircuits. Unenclosed, Enclosed, Buried or in Underground Ducts where it is not subject to Mechanical Damage. Max Operating Temperature 90°C
SCREENED FIXED INSTALLATION CABLES						
	(N)YM(St)	DIN VDE 0250-204/ DIN VDE 0250-209	300/500	3÷5 7	1.5÷6 1.5÷2.5	These cables with screening are also ideal for installations in the living rooms of those peoples who are extreme sensitive to radiation in computer sector, hospitals etc. The cable is suitable for laying on, in and under plaster in dry and damp places as wall as in concrete and masonry.
LOW SMOKE HALOGEN FREE FIXED INSTALLATION CABLES						
	NHXMH-J NHXMH-O	DIN VDE 0250-214	300/500	1 2÷5 7	1.5÷16 1.5÷35 1.5÷2.5	Halogen - free light sheathed cable with improved fire behaviour. For industrial and wiring purposes. Usable in the open, in dry, damp and wet environments in the open and concealed, as well as in masonry and in concrete, not suitable for imbedding in solidified - or compressed concrete.
	Thermosetting insulated, sheathed cables with circuit protective conductor UK Ref. 624(*) LSF	BS 7211	300/500	1 2 3	1÷1.5 1÷16 1÷16	Single core, flat twin and 3-core sheathed cable with circuit protective conductor. Fixed installation in dry premises. Suitable for installation in walls on boards and in channels or embedded in plaster.
SCREENED LOW SMOKE HALOGEN FREE FIXED INSTALLATION CABLES						
	(N)HXMH(St)	DIN VDE 0250-214/ DIN VDE 0250-209	300/500	3÷5 7	1.5÷6 1.5÷2.5	These cables with screening are also ideal for installations in the living rooms of those peoples who are extreme sensitive to radiation in computer sector, hospitals etc. The cable is suitable for laying on, in and under plaster in dry and damp places as wall as in concrete and masonry.
HALOGEN-FREE LOW SMOKE FIRE RESISTANT FIXED INSTALLATION CABLES						
	FLAME-X 950 HDGs HLGs HLgGs HDGsekwf HLGsekwf HLgGsekwf	ZN-FKZ-20:1998 BS 7629 IEC 60331	300/500	2÷5 6÷37	1÷4 1÷2.5	FLAME-X 950 helps to protect human life in the event of fire in public buildings or industrial installations. By design it meets the most recent standards for both fire detection and alarm systems. For use as security cables in alarm systems, emergency lighting and evacuation systems, fire and smoke detection systems, marine and offshore installations. Construction: solid (D), stranded (L) or flexible (Lg) conductor, electrostatic screen (ekwf). Performance under fire conditions: IEC 60331-21; BS 6387 - category C,W,Z; IEC 60332-3-22 - category A.
	FLAME-X 950 ENHANCED	BS 7629 BS 5839-1	300/500V	2÷7	1÷4	For use in emergency circuits. These cables meet the requirements of BS 5839-1:2002 for enhanced fire resisting cables.

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
PVC SHEATHED FLEXIBLE CORDS						
	**H03VV-F**	DIN VDE 0281-5 BS 6500 NF C 32-201-5 PN-HD 21.5 S3	300/300	2÷4	0.5÷0.75	In domestic premises, kitchens, offices, for light duties, for light portable appliances (e.g. radio sets, table and standard lamps, office machines). Unsuitable for outdoor use, in industrial or agricultural buildings or for non-domestic portable tools.
	**H03VVH2-F**	DIN VDE 0281-5 BS 6500 NF C 32-201-5 PN-HD 21.5 S3	300/300	2	0.5÷0.75	
	**H05VV-F**	DIN VDE 0281-5 BS 6500, BS 7919 NF C 32-201-5 PN-HD 21.5 S3	300/500	2÷5	0.75÷4	For household appliances, including damp situations; for medium duties (e.g. washing machines, spin dryers and refrigerators). Unsuitable for outdoor use, in industrial or agricultural buildings or for non-domestic portable tools. OWY cables with green/yellow core are designated with “żo” (e.g. OWYżo).
	A05VV-F	DIN VDE 0281-5		7	1÷2.5	
	**H05VVH2-F**	DIN VDE 0281-5 BS 6500 NF C 32-201-5 PN-HD 21.5 S3	300/500	2	0.75÷1	
	**H03V2V2-F**	DIN VDE 0281-12 BS 6500 PN-HD 21.12 S1	300/300	2÷4	0.5÷0.75	In domestic premises, kitchens, offices for light duties for light portable appliances. In high ambient temperatures. Internally in equipment. Due to their special insulating and sheathing compounds these cables are suitable for heating and cooking appliances, and for use in enhanced temperature zones (e.g. luminaires) where there is no risk of contact with hot parts.
	**H03V2V2H2-F**	DIN VDE 0281-12 BS 6500 PN-HD 21.12 S1	300/300	2	0.5÷0.75	
	**H05V2V2-F**	DIN VDE 0281-12 BS 7919 BS 6500 PN-HD 21.12 S1	300/500	2÷5	0.75÷4	In domestic premises, kitchens, offices. In high ambient temperatures for household appliances, including in damp premises for medium duties. Internally in equipment. Due to their special insulating and sheathing compounds these cables are suitable for heating and cooking appliances, and for use in enhanced temperature zones (e.g. luminaries) where there is no risk of contact with hot parts.
	**H05V2V2H2-F**	DIN VDE 0281-12 BS 6500 PN-HD 21.12 S1	300/500	2	0.75÷1	
	**PVC Sheathed Flexible Cords, Light Duty (Flat & Circular), Ordinary Duty, Heavy Duty**	AS/NZS 3191 3191 3191 & 5000,1	250/250 250/440 600/1000	2 & 3 1,2,3,4 & 5 1, 2, 2+E 4+E, 5+E	0.5 & 0.75 0.5÷4 0.5÷120	Domestic, Commercial & Industrial including small appliances & Switchboard and control panels where fexibility is paramount.
HALOGEN-FREE THERMOPLASTIC INSULATED AND SHEATHED FLEXIBLE CORDS						
	**H03Z1Z1-F**	HD 21.14 S1	300/300	2÷4	0.5÷0.75	Where cords having a low level of emission of smoke and corrosive gases are required in the case of fire or of burning. In domestic premises, kitchens, offices; for light duties, for light portable appliances (e.g. radio sets, table and standard lamps, office machines).
	**H03Z1Z1H2-F**	HD 21.14 S1	300/300	2	0.5÷0.75	
	**H05Z1Z1-F**	HD 21.14 S1	300/500	2÷5	0.75÷4	Where cords having a low level of emission of smoke and corrosive gases are required in the case of fire or of burning. In domestic premises, kitchens, offices; for household appliances, including in damp premises; for medium duties (e.g. washing machines, spin dryers and refrigerators).
	**H05Z1Z1H2-F**	HD 21.14 S1	300/500	2	0.75÷1	

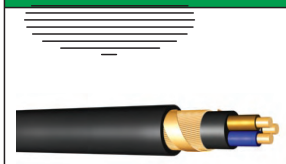
ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
LV PVC INSULATED POWER AND CONTROL CABLES						
	**NYY**	DIN VDE 0276-603 DIN VDE 0276-627	600/1000	1 2 3÷4 3 + 1 5 6÷61 7÷19	1.5÷500 1.5÷50 1.5÷300 25/16÷300/150 1.5÷95 1.5÷2.5 4	PVC insulated and sheathed power cables for use in the open air, underground, indoors and in cable ducts.
	YKY	PN-93/E-90401 PN-HD 603 S1:2002(u)	600/1000	1 2 3÷4 5	1÷1000 1÷35 1÷300 1÷240	
	**1-CYKY**	Adapted to: CSN 34 7659-3A IEC 60502-1 DIN VDE 0276-603	600/1000	1 3÷4 3+1	25÷630 25÷240 25+16÷240+120	PVC insulated and sheathed power cables for use in the open air, underground, indoors and in cable ducts.
	CBT **CBT-c**	BDS 16291-85	600/1000	1 2 3÷5 6÷37 6÷10	1÷500 1÷16 1÷240 1÷2.5 4÷10	
	**NAYY**	DIN VDE 0276-603	600/1000	1 3÷4	25÷500 16÷240	
	YAKY	PN-93/E-90401 PN-HD 603 S1:2002(u)	600/1000	1 3÷4	4÷1000 4÷300	
	1-AYKY	Adapted to: CSN 34 7659-3A IEC 60502-1 DIN VDE 0276-603	600/1000	1 3÷4 3+1	16÷630 16÷300 25+16÷300+150	
	CABT **CABT-c**	BDS 16291-85	600/1000	1 2 3÷5	6÷500 6÷16 6÷240	
	**NYK** **NYKY**	DIN VDE 0265	600/1000	1 2 3÷4 3 + 1 7÷61 7÷19 7÷10	25÷500 6÷16 4÷240 25÷240 1.5÷2.5 4 6	PVC insulated lead-sheathed power cables for power networks, underground, outdoors, in water, indoors and in cable ducts where influences from fuels, oils and solvents are to be expected.
LV XLPE INSULATED POWER AND CONTROL CABLES						
	**NI2XY**	DIN VDE 0262	600/1000	1 3 4 5 7÷40	10÷35 1.5÷16 1.5÷35 1.5÷16 1.5÷2.5	XLPE insulated and PVC sheathed power cables for use in the open air, indoors and in concrete. Not for installation underground and water.

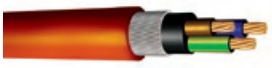
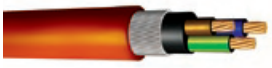
ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
LV XLPE INSULATED POWER AND CONTROL CABLES						
	N2XY	DIN VDE 0276-603 DIN VDE 0276-627	600/1000	1 3÷4 5 7÷61 7÷19	1.5÷500 1.5÷240 1.5÷2.5 1.5÷2.5 4	XLPE insulated and PVC sheathed power cables for use in the open air, underground, indoors and in cable ducts.
	**YKXS**	ZN-96/MP-13-K1 203	600/1000	1 2 3÷4 5	1÷1000 1÷35 1÷300 1÷240	
	NA2XY	DIN VDE 0276-603	600/1000	1 3÷4	25÷500 25÷240	
	YAKXS	ZN-96/MP-13-K1 203	600/1000	1 3÷4	4÷1000 4÷300	
	**U-1000 R2V**	NF C 32 321	600/1000	1 2 3÷4 5 7÷37 7÷19	1.5÷500 1.5÷35 1.5÷300 1.5÷25 1.5÷2.5 4	XLPE insulated and PVC sheathed power cables for use in the open air, underground, indoors and in cable ducts.
	**YMvKmb**	HD 604 S1 Part 4 Sec. D (KEMA K42B-4)	600/1000	1 2 3÷4 5	1.5÷500 1.5÷95 1.5÷240 1.5÷95	XLPE insulated and PVC sheathed power cables.
	**XVB-F2**	NBN-IEC 502-NAD	600/1000	1 2,5 3÷4 7÷40	1.5÷500 1.5÷35 1.5÷240 1.5÷4	XLPE insulated and PVC sheathed power cables.
	**XLPE/PVC**	BS 7889	600/1000	1	50÷500	For use in fixed installations in industrial areas, buildings and similar applications but not for direct burial in the ground.
	**TXXP**	NEMKO 182.52	600/1000	1	50÷630 Al	XLPE insulated, PVC sheathed cable, for power networks, underground, outdoors, indoors and in cables ducts.
	TFXP	HD 603-5M	600/1000	4	50÷240 Al	XLPE insulated cable, with PE inner sheath and PVC outer sheath, for power networks, underground, outdoors, indoors and in cable ducts.
	**XMK** **AXMK**	HD 603-5D SFS 4879	600/1000	1 1 3,5 4	300 Cu 300; 500; 800 Al 25÷300 Al 16÷300 Al	XLPE insulated, PVC sheathed cable, for power networks, underground, outdoors, indoors and in cables ducts.
	**VO-YMvKas**	HD 604 S1 Part 4 Sec. D (KEMA K42B-4)	600/1000	2 3÷5 6÷37	1.5÷25 1.5÷16 1.5÷2,5	XLPE insulated, galvanized steel wire braided, reduced fire propagating PVC sheathed power cables with flat earth continuity conductor of tinned copper wires.
LV POWER CABLES WITH CONCENTRIC COPPER CONDUCTOR						
	NYCY	DIN VDE 0276-603 DIN VDE 0276-627	600/1000	2÷5 3÷4 7÷61 7÷19	1.5÷16 25÷240 1.5÷2.5 4	PVC insulated and PVC sheathed cables with round copper wires outer layer, cables predominantly designed for installation in industrial and control equipment, in power stations and wherever a high level of both electrical and mechanical protection is required.
	**NAYCY**	DIN VDE 0276-603	600/1000	3÷4	16÷50	
	NYCWY			2÷4 3 4	10÷16 25÷240 25÷150	
	NAYCWY			3	25÷185	

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
LV POWER CABLES WITH CONCENTRIC COPPER CONDUCTOR						
	**PFSP**	HD 603 S1 :1994 NEMKO 182.52	600/1000	2÷4 3; 4	2.5÷16 Cu 16÷240Cu 16÷240 Al.	PVC insulated, PVC sheathed cable with concentric copper conductor, for power networks, underground, outdoors, indoors and in cables ducts.
	TFSP	HD 603-5J NEMKO 182.52	600/1000	3; 4	16÷240 Al. 16÷240 Cu	XLPE insulated, PVC sheathed cable with concentric copper conductor, for power networks, underground, outdoors, indoors and in cables ducts.
	**EKKJ** **FKKJ**	SS 424 14 18 HD 603-3-L	600/1000	1 2 3÷4	2.5÷630 2.5÷16 2.5÷240	PVC insulated, PVC sheathed cable with concentric copper conductor for electricity supply, used for installation in or above ground and water.
	AKKJ			1 3÷4	16÷630 16÷240	
	**MCMK**	HD 603 S1/A2 SFS 4880	600/1000	1, 2 3 4	1.5÷10 1.5÷300 1.5÷16	PVC insulated and PVC sheathed cable with concentric conductor for power networks, underground, outdoors, indoors and in cable ducts.
	AMCMK			3 4	16÷300 35÷185	
	**Single-phase split concentric cables**	BS 4553-1 BS 4553-2	600/1000	1	4÷35	PVC or XLPE insulated single-phase split concentric cables suitable for underground of general use.
		BS 7870-3.20 BS 7870-3.21		1 3	4÷25 25÷35	
	Single-phase straight concentric cables	BS 7870-3.11 BS 7870-3.10	600/1000	1 3	4÷25 16÷25 16÷35	PVC or XLPE insulated single-core phase plus helical concentric copper earth conductor, suitable for use underground of general use.
	**AL/XLPE/ CWW/PVC**	BS 7870 3.40	600/1000	3c ÷ 4 cores	35÷300	XLPE insulated, copper wire waveform concentric cables with solid aluminium conductors and PVC sheath for use in electrical networks.
LV ARMOURED POWER CABLES						
	**NYRY**	DIN VDE 0271	600/1000	2÷5 2÷40 2÷19	1.5÷16 1.5÷2.5 4	PVC insulated and PVC sheathed steel wires armoured cables for power networks, underground, outdoors, in water, indoors and in cable ducts if greater mechanical protection is required.
	**NYRGY**	DIN VDE 0271	600/1000	4 3 + 1	25÷300 25/16÷240/120	PVC insulated and PVC sheathed steel wires armoured cables for power networks, underground, outdoors, in water, indoors and in cable ducts if greater mechanical protection is required.
	1-CYKYDY	Adapted to: CSN 34 7615	600/1000	4 4÷5 4÷7 3÷24 3+1	25÷300 6÷16 4 1,5÷2,5 25+16÷240+120	
	**NYFGY** **NAYFGY**	DIN VDE 0271	600/1000	4 3 + 1	35÷300 25/16 ÷300/150	PVC insulated and PVC sheathed flat steel wires armoured cables for power networks, underground, outdoors, in water, indoors and in cable ducts if greater mechanical protection is required.

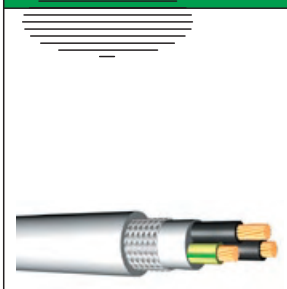
ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
LV ARMOURED POWER CABLES						
	**NYBY**	DIN VDE 0271	600/1000	3 + 5 3 + 1 2÷40 2÷19	1.5÷240 25/16÷240/120 1.5÷2.5 4	PVC insulated and PVC sheathed steel tapes armoured cables for power networks, underground, outdoors, in water, indoors and in cable ducts if greater mechanical protection is required.
	CBbT-c	BDS 16291-85	600/1000	2 3÷5 6÷37 6÷10	1.5÷16 1.5÷240 1.5÷2.5 4÷10	
	**Cu/PVC/AWA/ PVC**	BS 6346	600/1000	1	50÷500	PVC insulated and PVC sheathed steel or aluminium wires armoured cables for the supply of electrical energy.
	Cu/PVC/SWA/ PVC	BS 6346	600/1000	2 3÷4 3 + 1 5 7÷48 7÷19	1.5÷240 1.5÷300 25/16÷300/150 1.5÷70 1.5÷2.5 4	
	**Cu/XLPE/PVC/ AWA/PVC**	BS 5467	600/1000	1	50÷500	XLPE insulated, PVC bedded, steel or aluminium wires armoured and PVC sheathed power and auxiliary control cables for power networks, underground, outdoors, indoors and in cable ducts.
	Cu/XLPE/PVC/ SWA/PVC	BS 5467	600/1000	2÷4 3 + 1 5 7÷48 7÷19	1.5÷240 25/16÷240/120 1.5÷70 1.5÷2.5 4	
	**PVC Ins. PVC Sheathed Circular Cable With Galv Steel Wire Armour Orange Sheath**	AS/NZS 5000,1 5000,2	450/750 600/1000	2+E 3+E 4+E	1.5÷300	For Mains, Submains & Subcircuits, Unenclosed, Enclosed, Buried or in Underground Ducts where Mechanical Damage may occur. Max Operating Temperature 75°C.
	**XLPE Ins. PVC Sheathed Circular Cable With Galv Steel Wire Armour Orange Sheath**	AS/NZS 5000,1	600/1000	2+E 3+E 4+E	1.5÷300	For Mains, Submains & Subcircuits, Unenclosed, Enclosed, Buried or in Underground Ducts where Mechanical Damage may occur. Max Operating Temperature 90°C.
HALOGEN-FREE LOW SMOKE POWER CABLES						
	**N2XH**	DIN VDE 0276-604	600/1000	1 2÷4 5 7÷40 7÷19	1.5÷500 1.5÷240 1.5÷16 1.5÷2.5 4	XLPE insulated and halogen-free thermoplastic compound sheathed power and auxiliary control cables for the supply of electrical energy. Special for installations where fire and emissions of smoke and toxic fumes create a potential threat. Not suitable for use in water.
	**N2XCH**	DIN VDE 0276-604	600/1000	2÷4 7÷40 7÷19	1.5÷240 1.5÷2.5 4	
	**RZ1-K**	UNE 21123-91 IEC 60502-1 IEC 60332-3	600/1000	1 2 3 4 3 + 1	1.5÷240 1.5÷25 1.5÷50 1.5÷10 10/6÷50/25	Halogen-free thermoplastic compound insulated and sheathed flexible power cables for the supply of electrical energy. Specially for installations where fire and emissions of smoke and toxic fumes create a potential threat.

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
HALOGEN-FREE LOW SMOKE POWER CABLES						
	1-CHKE-R	Refer to individual product description	600/1000	1 2 3 4÷5 7 12	25÷300 1.5÷2.5 1.5÷16 1.5÷150 1.5÷2.5 1.5	EPR insulated and halogen-free thermoplastic compound sheathed power and auxiliary control cables for the supply of electrical energy. Special for installations where fire and emissions of smoke and toxic fumes create a potential threat. Not suitable for use in water.
ARMOURED HALOGEN-FREE LOW SMOKE POWER CABLES						
	Cu/XLPE/LS0H/ AWA/LS0H	BS 6724	600/1000	1	50÷500	XLPE insulated, LSOH bedded, steel round wires armoured and LSOH sheathed power and auxiliary control cables for the supply of electrical energy. Special for installation where fire and the emission of smoke and toxic fumes create a serious potential threat.
	Cu/XLPE/LS0H/ SWA/LS0H	BS 6724	600/1000	2÷4 5 3 + 1 7÷48 7÷19	1.5÷240 1.5÷70 25/16 ÷240/120 1.5÷2,5 4	
HALOGEN-FREE LOW SMOKE FIRE RESISTANT POWER CABLES						
	FLAME-X 950 NKGs	ZN-FKZ-033:1997 IEC 60331	600/1000	1 2 3÷4 5 6÷19 24÷61	1.5÷500 1.5÷50 1.5÷240 1.5÷95 1.5÷4 1.5÷2.5	FLAME-X 950 helps to protect human life in the event of fire in public buildings or industrial installations, e.g. in industrial complexes, power stations, public buildings, hotels, underground railway systems, hospitals, airports, data processing centres, emergency power supply and alarm systems etc. Suitable for fixed installation in dry and moist rooms as well as for outdoor applications, not however direct installation in the earth or in water. Performance under fire conditions: Insulation integrity for 180 minutes – IEC 60331-21; Flame propagation: EN 50266-2-2, IEC 60332-3-22 – Cat. A
	1-CHKE-V	Refer to individual product description	600/1000	1 2 3 4÷5 7, 12 19÷48	25÷300 1÷6 1÷50 1÷150 1÷4 1÷2.5	Halogen-free low smoke fire resistant power cables are designed for fixed installation both in ordinary and damp environments. They can also be used on an inflammable surface and in environments with fire hazards where maintenance of circuit integrity during and after a fire is required. Performance under fire conditions: Insulation integrity for 180 minutes – IEC 60331-21; Flame propagation: EN 50266-2-2, IEC 60332-3-22 – Cat. A
	FLAME-X 950 (N)HXH FE180/E 30	DIN VDE 0266 DIN 4102-12	600/1000	1 2 3÷4 5 7÷30	1.5÷300 1.5÷25 1.5÷240 1.5÷50 1.5÷2.5	Fire resistant security cables for installation everywhere where high safety requirements have a special significance e.g., in industrial complexes, power stations, public buildings, hotels, underground railway systems, hospitals, airports etc. Suitable for fixed installation in dry and moist rooms as wall as for outdoor applications, not however direct installation in the earth or in water. FE180: Insulation integrity for 180 minutes – DIN VDE 0472/814 (IEC 60331-21). E30 and E90: Functionality for electrical cable systems for minimum 30 minutes (E30) and 90 minutes (E90) – DIN 4102-12. Flame propagation: DIN VDE 0472-804 C (IEC 60332-3)
	FLAME-X 950 (N)HXCH FE180/E 30	DIN VDE 0266 DIN 4102-12	600/1000	2 3 4 7÷30	1.5÷16 1.5÷185 1.5÷150 1.5÷2.5	
	FLAME-X 950 (N)HXH FE180/E 90	DIN VDE 0266 DIN 4102-12	600/1000	3 4 5 7÷12	1.5÷185 1.5÷185 1.5÷50 1.5÷2.5	
	FLAME-X 950 (N)HXCH FE180/E 90	DIN VDE 0266 DIN 4102-12	600/1000	2 3 4 7÷24	1.5÷16 1.5÷150 1.5÷120 1.5÷2.5	

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com

	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm²]	Application
FLEXIBLE CONTROL CABLES						
	**NYSLY**	DIN VDE 0245-102	300/500	3÷61	0.5÷2.5	NYSLY – PVC insulated, PVC sheathed flexible control cables. NYSLYCY – PVC insulated, PVC sheathed copper-screened flexible control cables. Use as measuring, control and connection cables for all electrical equipment, especially in industrial areas, in machines tool engineering, plant construction etc.
	NYSLYCY	DIN VDE 0245-102	300/500	3÷61	0.5÷2.5	
	H05VV5-F (NYSLYÖ)	DIN VDE 0281-13 BS 7919 PN-HD 21.13 S1	300/500	2÷60	0.5÷2.5	H05VV5-F – unscreened and H05VVC4V5-K – screened oil resistant cables are used as control and junction cables in the machinery and tool-making industries and as well as in conveyor belts and on production lines. The cables are resistant to general-purpose mineral oils but are not designed for continuous immersion in oil. Screened cables are not designed for continual flexing.
	H05VVC4V5-K (NYSLYCÖ)	DIN VDE 0281-13 BS 6004 PN-HD 21.13 S1	300/500	2÷60	0.5÷2.5	
	**SY**	Refer to individual product descriptions	300/500	2÷61	0.5÷2.5	Control cables in tool machinery, plant installation, power stations and in data equipment. The braided screen of galvanized steel wires offers best possible protection against mechanical damage without reducing flexibility.
	**CY**	Refer to individual product descriptions	300/500	2÷61	0.5÷2.5	Tinned copper braided screened cables for use as a data and control cables in machinery, computer systems etc., as well as a signal cable for electronics.
	**LIYY**	Requirements as per: DIN VDE 0812, DIN VDE 814	500 – peak voltage	2÷34 2÷25	0.5÷0.75 1.0÷1.5	Flexible PVC cables apply especially to such areas as tool making and machine industries as well as electronic, computer, measurement and control sectors.
	**LIYCY**	Requirements as per: DIN VDE 0812, DIN VDE 0814		2÷34 2÷25	0.5÷0.75 1.0÷1.5	Control and signal cables in all areas requiring lowest possible measurement transfer such as computers and control apparatus.
INSTRUMENTATION CABLES						
	**Polyethylene insulated instrumentation cables Type 1 and Type 2**	BS 5308-1	300/500 (not suitable for direct connection to a low impedance source)	1÷50 pairs	0.5÷1.5	Multipair polyethylene insulated cables with screens (with collective or with individual pair and collective screen) or without screens and optionally incorporating single wire armour, used in the provision of communication services and the interconnection of electrical equipment's and instruments, particularly in and around process plant. The cables used mainly by the petroleum industry. Type 1 unarmoured cables are generally for indoor applications. Type 2 armoured cables are suitable for burial underground.
	**PVC insulated instrumentation cables Type 1 and Type 2**	BS 5308-2	300/500 (not suitable for direct connection to a low impedance source)	1÷40 core 1÷50 pairs	0.5÷1.5	Multicore and multipair PVC insulated cables with screens (with collective or with individual pair and collective screen) or without screens and optionally incorporating single wire armour, used in the provision of communication services and the interconnection of electrical equipment's and instruments, particularly in and around process plant. The cables used mainly by the chemical and petrochemical industry. Type 1 unarmoured cables are generally for indoor applications. Type 2 armoured cables are suitable for burial underground.

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
Phone: +7 71133 93077 ; Fax: +7 71133 93074 ; E-Mail: info@ibemo-kz.com