

Application: These cables are recommended for all electrical installations in dry and humid locations. These cables are especially suitable for control purposes in machine tool manufacturing, production lines, industrial plants, air conditioning installations and steel plants.

Construction		Technical Data	
Conductor	: Plain copper bunched as per class 5 of VDE-0295.	Specification.	: VDE-0250
Insulation	: PVC type TI 2 as per VDE 0207. Black cores with white numbers. Cables with 3 or more cores will have one green / yellow core. The number of cores indicated in the tables includes the green / yellow core.	Temperature range: Stationary Flexing	: - 30°C to +80°C : - 5°C to +70°C
Assembly	: Cores are laid up in layers with the green/yellow core in the outermost layer. The assembly is covered with a polyester binder if necessary	Working voltage	: 300/500 Volts
Outer sheath	: Oil resistant PVC type TM-2 as per VDE 0207. Flame retardant to IEC-332-1.	Minimum bending radius	: 15 X cable diameter
		Conductor resistance	: as per class-5 of VDE-0295.
		Insulation resistance	: 20 MOhm - Km
		Test voltage	: 2000 V. for 5 Minutes.

NYSLY-J CONNECTION AND CONTROL CABLE

SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Strands X diameter No. X mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight Kg/Km
0.5	5581-03C00050-U0BK8-00	3	16 X 0.2	0.6	0.7	6.3	55
	5581-04C00050-U0BK8-00	4	16 X 0.2	0.6	0.8	7.0	65
	5581-05C00050-U0BK8-00	5	16 X 0.2	0.6	0.8	7.7	80
	5581-06C00050-U0BK8-00	6	16 X 0.2	0.6	0.9	8.5	100
	5581-07C00050-U0BK8-00	7	16 X 0.2	0.6	0.9	9.5	110
	5581-08C00050-U0BK8-00	8	16 X 0.2	0.6	1.0	10.5	130
	5581-10C00050-U0BK8-00	10	16 X 0.2	0.6	1.0	10.9	155
	5581-12C00050-U0BK8-00	12	16 X 0.2	0.6	1.1	11.0	180
	5581-14C00050-U0BK8-00	14	16 X 0.2	0.6	1.1	12.0	200
	5581-16C00050-U0BK8-00	16	16 X 0.2	0.6	1.2	12.8	220
	5581-19C00050-U0BK8-00	19	16 X 0.2	0.6	1.2	13.5	255
	5581-24C00050-U0BK8-00	24	16 X 0.2	0.6	1.4	16.1	335
	5581-27C00050-U0BK8-00	27	16 X 0.2	0.6	1.4	16.4	365
	5581-30C00050-U0BK8-00	30	16 X 0.2	0.6	1.5	17.1	395
	5581-37C00050-U0BK8-00	37	16 X 0.2	0.6	1.5	18.4	495
	5581-48C00050-U0BK8-00	48	16 X 0.2	0.6	1.7	21.4	620
	5581-61C00050-U0BK8-00	61	16 X 0.2	0.6	1.8	23.4	786

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Middle East Specialized Cable
H05VV5F



SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Strands X diameter No. X mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight Kg/Km
0.75	5581-03C00075-U0BK8-00	3	24 X 0.2	0.6	0.8	7.0	65
	5581-04C00075-U0BK8-00	4	24 X 0.2	0.6	0.8	7.6	80
	5581-05C00075-U0BK8-00	5	24 X 0.2	0.6	0.9	8.4	105
	5581-06C00075-U0BK8-00	6	24 X 0.2	0.6	0.9	9.2	120
	5581-07C00075-U0BK8-00	7	24 X 0.2	0.6	1.0	10.4	130
	5581-08C00075-U0BK8-00	8	24 X 0.2	0.6	1.1	11.5	165
	5581-09C00075-U0BK8-00	9	24 X 0.2	0.6	1.1	11.8	185
	5581-10C00075-U0BK8-00	10	24 X 0.2	0.6	1.1	11.9	190
	5581-12C00075-U0BK8-00	12	24 X 0.2	0.6	1.1	12.3	220
	5581-14C00075-U0BK8-00	14	24 X 0.2	0.6	1.2	13.1	245
	5581-15C00075-U0BK8-00	15	24 X 0.2	0.6	1.2	14.0	273
	5581-16C00075-U0BK8-00	16	24 X 0.2	0.6	1.2	13.8	275
	5581-19C00075-U0BK8-00	19	24 X 0.2	0.6	1.3	14.7	336
	5581-21C00075-U0BK8-00	21	24 X 0.2	0.6	1.5	15.9	382
	5581-24C00075-U0BK8-00	24	24 X 0.2	0.6	1.5	17.5	415
	5581-27C00075-U0BK8-00	27	24 X 0.2	0.6	1.5	17.9	455
	5581-30C00075-U0BK8-00	30	24 X 0.2	0.6	1.5	18.5	520
	5581-37C00075-U0BK8-00	37	24 X 0.2	0.6	1.6	20.1	620
	5581-48C00075-U0BK8-00	48	24 X 0.2	0.6	1.8	23.3	780
	5581-61C00075-U0BK8-00	61	24 X 0.2	0.6	2.0	25.7	1027

SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Strands X diameter No. X mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight Kg/Km
1.0	5581-02C00100-U0BK8-00	2	32 X 0.2	0.6	0.8	6.8	65
	5581-03C00100-U0BK8-00	3	32 X 0.2	0.6	0.8	7.3	85
	5581-04C00100-U0BK8-00	4	32 X 0.2	0.6	0.8	8.0	105
	5581-05C00100-U0BK8-00	5	32 X 0.2	0.6	0.9	8.9	135
	5581-06C00100-U0BK8-00	6	32 X 0.2	0.6	1.0	10.6	150
	5581-07C00100-U0BK8-00	7	32 X 0.2	0.6	1.0	10.6	164
	5581-08C00100-U0BK8-00	8	32 X 0.2	0.6	1.1	10.8	185
	5581-09C00100-U0BK8-00	9	32 X 0.2	0.6	1.2	12.6	220
	5581-10C00100-U0BK8-00	10	32 X 0.2	0.6	1.2	12.8	227
	5581-12C00100-U0BK8-00	12	32 X 0.2	0.6	1.2	13.3	265
	5581-14C00100-U0BK8-00	14	32 X 0.2	0.6	1.2	13.9	315
	5581-16C00100-U0BK8-00	16	32 X 0.2	0.6	1.3	14.8	350
	5581-19C00100-U0BK8-00	19	32 X 0.2	0.6	1.3	15.6	410
	5581-20C00100-U0BK8-00	20	32 X 0.2	0.6	1.5	16.8	435
	5581-24C00100-U0BK8-00	24	32 X 0.2	0.6	1.5	18.6	505
	5581-25C00100-U0BK8-00	25	32 X 0.2	0.6	1.5	18.6	517
	5581-27C00100-U0BK8-00	27	32 X 0.2	0.6	1.5	19.0	565
	5581-30C00100-U0BK8-00	30	32 X 0.2	0.6	1.6	19.8	615
	5581-37C00100-U0BK8-00	37	32 X 0.2	0.6	1.7	21.8	745
	5581-40C00100-U0BK8-00	40	32 X 0.2	0.6	1.8	22.5	803
	5581-48C00100-U0BK8-00	48	32 X 0.2	0.6	1.9	24.9	970
	5581-61C00100-U0BK8-00	61	32 X 0.2	0.6	2.1	27.5	1300

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SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Strands X diameter No. X mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight Kg/Km
1.5	5581-02C00150-U0BK8-00	2	30 X 0.25	0.7	0.8	77	89
	5581-03C00150-U0BK8-00	3	30 X 0.25	0.7	0.9	8.4	110
	5581-04C00150-U0BK8-00	4	30 X 0.25	0.7	0.9	9.3	135
	5581-05C00150-U0BK8-00	5	30 X 0.25	0.7	1.0	10.1	160
	5581-06C00150-U0BK8-00	6	30 X 0.25	0.7	1.1	12.2	195
	5581-07C00150-U0BK8-00	7	30 X 0.25	0.7	1.2	12.4	225
	5581-08C00150-U0BK8-00	8	30 X 0.25	0.7	1.3	13.5	255
	5581-09C00150-U0BK8-00	9	30 X 0.25	0.7	1.3	14.7	291
	5581-10C00150-U0BK8-00	10	30 X 0.25	0.7	1.3	14.7	305
	5581-12C00150-U0BK8-00	12	30 X 0.25	0.7	1.3	15.1	348
	5581-14C00150-U0BK8-00	14	30 X 0.25	0.7	1.4	16.1	402
	5581-15C00150-U0BK8-00	15	30 X 0.25	0.7	1.5	17.2	445
	5581-16C00150-U0BK8-00	16	30 X 0.25	0.7	1.5	17.2	464
	5581-18C00150-U0BK8-00	18	30 X 0.25	0.7	1.5	18.1	511
	5581-19C00150-U0BK8-00	19	30 X 0.25	0.7	1.5	19.0	530
	5581-20C00150-U0BK8-00	20	30 X 0.25	0.7	1.6	19.2	574
	5581-24C00150-U0BK8-00	24	30 X 0.25	0.7	1.7	21.5	677
	5581-25C00150-U0BK8-00	25	30 X 0.25	0.7	1.7	21.5	699
	5581-27C00150-U0BK8-00	27	30 X 0.25	0.7	1.8	22.1	755
	5581-30C00150-U0BK8-00	30	30 X 0.25	0.7	1.8	22.9	823
	5581-37C00150-U0BK8-00	37	30 X 0.25	0.7	2.0	26.0	1024
	5581-48C00150-U0BK8-00	48	30 X 0.25	0.7	2.2	28.9	1300
	5581-60C00150-U0BK8-00	60	30 X 0.25	0.7	2.4	31.8	1588
	5581-61C00150-U0BK8-00	61	30 X 0.25	0.7	2.4	32.3	1495

SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Strands X diameter No. X mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight Kg/Km
2.5	5581-02C00250-U0BK8-00	2	50 X 0.25	0.8	1.0	9.4	135
	5581-03C00250-U0BK8-00	3	50 X 0.25	0.8	1.0	9.9	165
	5581-04C00250-U0BK8-00	4	50 X 0.25	0.8	1.1	11.1	226
	5581-05C00250-U0BK8-00	5	50 X 0.25	0.8	1.1	12.1	257
	5581-06C00250-U0BK8-00	6	50 X 0.25	0.8	1.2	14.6	294
	5581-07C00250-U0BK8-00	7	50 X 0.25	0.8	1.3	14.8	333
	5581-08C00250-U0BK8-00	8	50 X 0.25	0.8	1.4	15.0	372
	5581-10C00250-U0BK8-00	10	50 X 0.25	0.8	1.5	15.2	444
	5581-12C00250-U0BK8-00	12	50 X 0.25	0.8	1.5	18.2	531
	5581-14C00250-U0BK8-00	14	50 X 0.25	0.8	1.6	18.4	605
	5581-16C00250-U0BK8-00	16	50 X 0.25	0.8	1.7	21.0	742
	5581-19C00250-U0BK8-00	19	50 X 0.25	0.8	1.8	21.9	810
	5581-20C00250-U0BK8-00	20	50 X 0.25	0.8	1.8	21.9	810
	5581-24C00250-U0BK8-00	24	50 X 0.25	0.8	2.0	25.9	1025
	5581-27C00250-U0BK8-00	27	50 X 0.25	0.8	2.1	27.6	1245
	5581-30C00250-U0BK8-00	30	50 X 0.25	0.8	2.1	28.1	1354
	5581-37C00250-U0BK8-00	37	50 X 0.25	0.8	2.3	30.2	1519
	5581-48C00250-U0BK8-00	48	50 X 0.25	0.8	2.4	34.5	1933
	5581-61C00250-U0BK8-00	61	50 X 0.25	0.8	2.4	37.6	2384

Packing: Wooden Drums of 500/1000 Meters,

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SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Strands X diameter No. X mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight Kg/Km
4	5581-04C00400-U0BK8-00	4	56 X 0.288	0.8	1.2	13.5	330
4	5581-07C00400-U0BK8-00	7	56 X 0.288	0.8	1.4	16.8	465

SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Strands X diameter No. X mm	Insulation thickness mm	Sheath thickness mm	Approx. O. D. mm	Approx. weight Kg/Km
6	5581-07C00600-U0BK8-00	7	84 X 0.288	0.8	1.6	19.1	635

*For sheath colour other than Black, please replace "BK" in MESC code by 'WT' for WHITE.