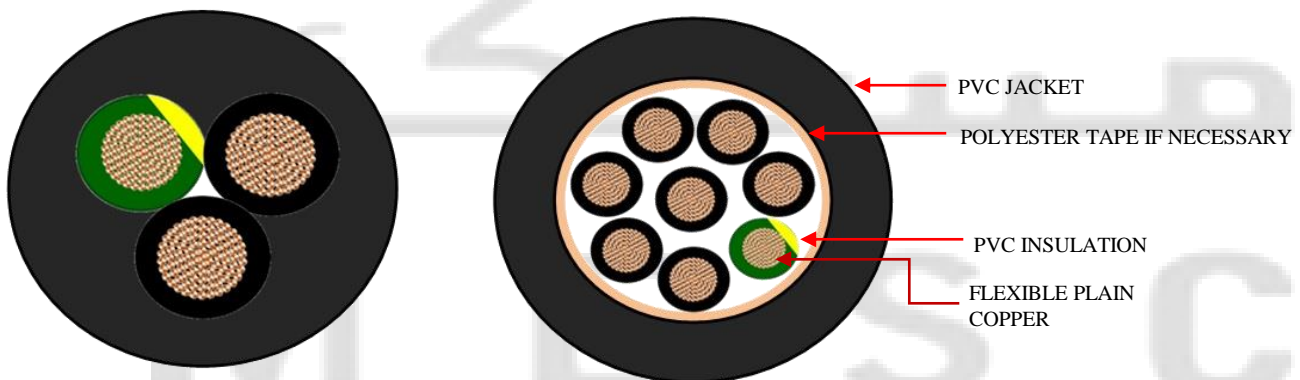


**Application:** These cables are recommended for all electrical installations in dry and humid locations. These cables are especially suitable for control purposes in machine tool manufacturing, production lines, industrial plants, air conditioning installations and steel plants.

Construction		Technical Data	
Conductor	: Plain copper bunched as per class 5 of HD 383/IEC 60228.	Specification.	: HD 21.13 S1
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:	- 30°C to +80°C
		Stationary	: - 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	Flexing	: 300/500 Volts
		Working voltage	: 15 X cable diameter
		Minimum bending radius	: as per class-5 of VDE-0295.
Outer sheath	: Oil resistant PVC type TM-2 as per VDE 0207. Flame retardant to IEC-332-1.	Conductor resistance	: 2000 V. for 5 Minutes.
		Test voltage	:

## CROSS SECTION DRAWING:



## NYSLY-J CONNECTION AND CONTROL CABLE

SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Max. Strands diameter (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. O. D. (mm)	Approx. weight (kg/km)
0.5	5581-03C00050-U0BK8-00	3	0.21	0.6	0.7	6.3	55
	5581-04C00050-U0BK8-00	4	0.21	0.6	0.8	7.0	65
	5581-05C00050-U0BK8-00	5	0.21	0.6	0.8	7.7	80
	5581-06C00050-U0BK8-00	6	0.21	0.6	0.9	8.5	100
	5581-07C00050-U0BK8-00	7	0.21	0.6	0.9	9.5	110
	5581-08C00050-U0BK8-00	8	0.21	0.6	1.0	10.5	130
	5581-10C00050-U0BK8-00	10	0.21	0.6	1.0	10.9	155
	5581-12C00050-U0BK8-00	12	0.21	0.6	1.1	11.0	180
	5581-14C00050-U0BK8-00	14	0.21	0.6	1.1	12.0	200
	5581-16C00050-U0BK8-00	16	0.21	0.6	1.2	12.8	220
	5581-19C00050-U0BK8-00	19	0.21	0.6	1.2	13.5	255
	5581-24C00050-U0BK8-00	24	0.21	0.6	1.4	16.1	335
	5581-27C00050-U0BK8-00	27	0.21	0.6	1.4	16.4	365
	5581-30C00050-U0BK8-00	30	0.21	0.6	1.5	17.1	395
	5581-37C00050-U0BK8-00	37	0.21	0.6	1.5	18.4	495
	5581-48C00050-U0BK8-00	48	0.21	0.6	1.7	21.4	620
5581-61C00050-U0BK8-00	61	0.21	0.6	1.8	23.4	786	

S/NO.	SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Max. Strands diameter (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. O. D. (mm)	Approx. weight (kg/km)
2	0.75	5581-03C00075-U0BK8-00	3	0.21	0.6	0.8	7.0	65
	0.75	5581-04C00075-U0BK8-00	4	0.21	0.6	0.8	7.6	80
3	0.75	5581-05C00075-U0BK8-00	5	0.21	0.6	0.9	8.4	105
	0.75	5581-06C00075-U0BK8-00	6	0.21	0.6	0.9	9.2	120
4	0.75	5581-07C00075-U0BK8-00	7	0.21	0.6	1.0	10.4	130
	0.75	5581-08C00075-U0BK8-00	8	0.21	0.6	1.1	11.5	165
5	0.75	5581-09C00075-U0BK8-00	9	0.21	0.6	1.1	11.8	185
	0.75	5581-10C00075-U0BK8-00	10	0.21	0.6	1.1	11.9	190
6	0.75	5581-12C00075-U0BK8-00	12	0.21	0.6	1.1	12.3	220
	0.75	5581-14C00075-U0BK8-00	14	0.21	0.6	1.2	13.1	245
7	0.75	5581-15C00075-U0BK8-00	15	0.21	0.6	1.2	14.0	273
	0.75	5581-16C00075-U0BK8-00	16	0.21	0.6	1.2	13.8	275
8	0.75	5581-19C00075-U0BK8-00	19	0.21	0.6	1.3	14.7	336
	0.75	5581-21C00075-U0BK8-00	21	0.21	0.6	1.5	15.9	382
9	0.75	5581-24C00075-U0BK8-00	24	0.21	0.6	1.5	17.5	415
	0.75	5581-27C00075-U0BK8-00	27	0.21	0.6	1.5	17.9	455
10	0.75	5581-30C00075-U0BK8-00	30	0.21	0.6	1.5	18.5	520
	0.75	5581-37C00075-U0BK8-00	37	0.21	0.6	1.6	20.1	620
11	0.75	5581-48C00075-U0BK8-00	48	0.21	0.6	1.8	23.3	780
	0.75	5581-61C00075-U0BK8-00	61	0.21	0.6	2.0	25.7	1027

## NYSLY-J CONNECTION AND CONTROL CABLE

S/NO.	SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Max. Strands diameter (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. O. D. (mm)	Approx. weight (kg/km)
1	1.0	5581-02C00100-U0BK8-00	2	0.21	0.6	0.8	6.8	65
	1.0	5581-03C00100-U0BK8-00	3	0.21	0.6	0.8	7.3	85
	1.0	5581-04C00100-U0BK8-00	4	0.21	0.6	0.8	8.0	105
	1.0	5581-05C00100-U0BK8-00	5	0.21	0.6	0.9	8.9	135
	1.0	5581-06C00100-U0BK8-00	6	0.21	0.6	1.0	10.6	150
	1.0	5581-07C00100-U0BK8-00	7	0.21	0.6	1.0	10.6	164
	1.0	5581-08C00100-U0BK8-00	8	0.21	0.6	1.1	10.8	185
	1.0	5581-09C00100-U0BK8-00	9	0.21	0.6	1.2	12.6	220
	1.0	5581-10C00100-U0BK8-00	10	0.21	0.6	1.2	12.8	227
	1.0	5581-12C00100-U0BK8-00	12	0.21	0.6	1.2	13.3	265
	1.0	5581-14C00100-U0BK8-00	14	0.21	0.6	1.2	13.9	315
	1.0	5581-16C00100-U0BK8-00	16	0.21	0.6	1.3	14.8	350
	1.0	5581-19C00100-U0BK8-00	19	0.21	0.6	1.3	15.6	410
	1.0	5581-20C00100-U0BK8-00	20	0.21	0.6	1.5	16.8	435
	1.0	5581-24C00100-U0BK8-00	24	0.21	0.6	1.5	18.6	505
	1.0	5581-25C00100-U0BK8-00	25	0.21	0.6	1.5	18.6	517
	1.0	5581-27C00100-U0BK8-00	27	0.21	0.6	1.5	19.0	565
	1.0	5581-30C00100-U0BK8-00	30	0.21	0.6	1.6	19.8	615
	1.0	5581-37C00100-U0BK8-00	37	0.21	0.6	1.7	21.8	745
1.0	5581-40C00100-U0BK8-00	40	0.21	0.6	1.8	22.5	803	
1.0	5581-48C00100-U0BK8-00	48	0.21	0.6	1.9	24.9	970	
1.0	5581-61C00100-U0BK8-00	61	0.21	0.6	2.1	27.5	1300	

S/NO.	SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Max. Strands diameter (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. O. D. (mm)	Approx. weight (kg/km)
4	1.5	5581-02C00150-U0BK8-00	2	0.26	0.7	0.8	7.7	89
	1.5	5581-03C00150-U0BK8-00	3	0.26	0.7	0.9	8.4	110
6	1.5	5581-04C00150-U0BK8-00	4	0.26	0.7	0.9	9.3	135
8	1.5	5581-05C00150-U0BK8-00	5	0.26	0.7	1.0	10.1	160
	1.5	5581-06C00150-U0BK8-00	6	0.26	0.7	1.1	12.2	195
10	1.5	5581-07C00150-U0BK8-00	7	0.26	0.7	1.2	12.4	225
	1.5	5581-08C00150-U0BK8-00	8	0.26	0.7	1.3	13.5	255
10	1.5	5581-09C00150-U0BK8-00	9	0.26	0.7	1.3	14.7	291
	1.5	5581-10C00150-U0BK8-00	10	0.26	0.7	1.3	14.7	305
	1.5	5581-12C00150-U0BK8-00	12	0.26	0.7	1.3	15.1	348
	1.5	5581-14C00150-U0BK8-00	14	0.26	0.7	1.4	16.1	402
	1.5	5581-15C00150-U0BK8-00	15	0.26	0.7	1.5	17.2	445
	1.5	5581-16C00150-U0BK8-00	16	0.26	0.7	1.5	17.2	464
	1.5	5581-18C00150-U0BK8-00	18	0.26	0.7	1.5	18.1	511
	1.5	5581-19C00150-U0BK8-00	19	0.26	0.7	1.5	19.0	530
	1.5	5581-20C00150-U0BK8-00	20	0.26	0.7	1.6	19.2	574
	1.5	5581-24C00150-U0BK8-00	24	0.26	0.7	1.7	21.5	677
	1.5	5581-25C00150-U0BK8-00	25	0.26	0.7	1.7	21.5	699
10	1.5	5581-27C00150-U0BK8-00	27	0.26	0.7	1.8	22.1	755
	1.5	5581-30C00150-U0BK8-00	30	0.26	0.7	1.8	22.9	823
	1.5	5581-37C00150-U0BK8-00	37	0.26	0.7	2.0	26.0	1024
	1.5	5581-48C00150-U0BK8-00	48	0.26	0.7	2.2	28.9	1300
	1.5	5581-60C00150-U0BK8-00	60	0.26	0.7	2.4	31.8	1588
1.5	5581-61C00150-U0BK8-00	61	0.26	0.7	2.4	32.3	1495	

S/NO.	SIZE sq.mm	MESC Code (for BLACK outer sheath)	No. of Cores	Max. Strands diameter (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. O. D. (mm)	Approx. weight (kg/km)
	2.5	5581-02C00250-U0BK8-00	2	0.26	0.8	1.0	9.4	135
12	2.5	5581-03C00250-U0BK8-00	3	0.26	0.8	1.0	9.9	165
	2.5	5581-04C00250-U0BK8-00	4	0.26	0.8	1.1	11.1	226
7	2.5	5581-05C00250-U0BK8-00	5	0.26	0.8	1.1	12.1	257
	2.5	5581-06C00250-U0BK8-00	6	0.26	0.8	1.2	14.6	294
	2.5	5581-07C00250-U0BK8-00	7	0.26	0.8	1.3	14.8	333
	2.5	5581-08C00250-U0BK8-00	8	0.26	0.8	1.4	15.0	372
	2.5	5581-10C00250-U0BK8-00	10	0.26	0.8	1.5	17.6	457
	2.5	5581-12C00250-U0BK8-00	12	0.26	0.8	1.5	18.2	531
	2.5	5581-14C00250-U0BK8-00	14	0.26	0.8	1.6	18.4	605
	2.5	5581-16C00250-U0BK8-00	16	0.26	0.8	1.7	21.0	742
	2.5	5581-19C00250-U0BK8-00	19	0.26	0.8	1.8	21.9	810
	2.5	5581-20C00250-U0BK8-00	20	0.26	0.8	1.8	23.1	864
	2.5	5581-24C00250-U0BK8-00	24	0.26	0.8	2.0	25.9	1033
	2.5	5581-27C00250-U0BK8-00	27	0.26	0.8	2.1	27.6	1245
	2.5	5581-30C00250-U0BK8-00	30	0.26	0.8	2.1	28.1	1354
	2.5	5581-37C00250-U0BK8-00	37	0.26	0.8	2.3	30.2	1519
	2.5	5581-48C00250-U0BK8-00	48	0.26	0.8	2.4	34.5	1933
	2.5	5581-61C00250-U0BK8-00	61	0.26	0.8	2.4	37.6	2384
	4.0	5581-05C00400-U0BK8-00	5	0.31	0.8	1.2	13.8	335
	6.0	5581-05C00600-U0BK8-00	5	0.31	0.8	1.3	15.5	453
	10	5581-05C01000-U0BK8-00	5	0.41	1.0	1.6	19.7	750
11	16	5581-04C01600-U0BK8-00	4	0.41	1.0	1.8	22.6	940

Packing: Wooden Drums of 500/1000 Meters