

# RE-2Y(St)Yv instrumentation cable, reinforced outer jacket, meter marking



## 기술사양

- PE로된 special core insulation
- **도체저항**  
0.5mm<sup>2</sup> 최대 392 Ohm/km  
0.75mm<sup>2</sup> 최대 24.6 Ohm/km  
1.3mm<sup>2</sup> 최대 14.2 Ohm/km
- **온도범위**  
이송시 -5°C ~ +50°C  
고정 설치시 -40°C ~ +70°C
- **정격전압** 최대 300 V
- **시험전압**  
core/core 2000V  
core/screen 1000V
- **절연저항** 최소 5 GOhm x km
- **상호정전용량**  
core/core 0.5mm<sup>2</sup> : 60 nF/km  
1과 2페어 시 : 75 nF/km  
core/core 0.75mm<sup>2</sup> : 65 nF/km  
1과 2페어 시 : 110 nF/km  
core/core 1.3mm<sup>2</sup> : 75 nF/km  
1과 2페어 시 : 100 nF/km
- **훈선 감쇠** 60 kHz, 최소 0.88 dB/km
- **인덕턴스** 최대 0.75 nH / km
- **최소곡률반경** 7.5 x cable ø

## 케이블 구조

- 나동연선 도체  
0.5mm<sup>2</sup> (7×0.3mm)  
0.75mm<sup>2</sup> (7×0.37mm)  
1.3mm<sup>2</sup> (7×0.49mm)
- PE 코어 절연체
- 코어 색상분류 번호표시  
pair:  
a-core black  
b-core white  
triple:  
a-core black  
b-core white  
c-core red  
번호표시 : 1/1,2/2 등
- 최적피치로 트위스트 페어
- 페어 + PE 절연 오렌지색 1통신선(0.5mm<sup>2</sup>)
- 코어 플라스틱 테이프 랩
- 금속 포일 스크린(St) 과 주석 도금된 드레인 와이어 0.5mm<sup>2</sup> (7×0.3mm)
- 외피 보강형 PVC 외피, 흑색(RAL 9005) or 청색(RAL 5015)
- DIN VDE 0816, part 1, table 7, col 1의 피복 두께
- DIN EN 60079-14 and IEC 60079-14 section 12.2.2 (VDE 0165 part 1) 규정의 위험 지역 설치를 위한 청색외피

## 특징

- 자체 소화성 및 난연성 PVC, DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1 (DIN VDE 0472 part 804검사방법 B)

## Note

- 구리 무게는 1통신선과 드레인 와이어를 포함.

## 용도

- 본 계측기기용 케이블은 데이터 처리 및 공정 제어에 사용됨.
- 정전기 쉴드는 외부 전기적 간섭으로부터 쉴드 조들을 보호함.
- 낮은 라인 감쇠와 상호 정전용량으로 원거리 전송 및 고속 신호 가속이 가능함
- 습한 옥외 고정 설치 및 지하 매설용으로 적합
- CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG

Part No.	No.pairs x cross-sec. mm <sup>2</sup>	Outer sheath colour	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No.pairs x cross-sec. mm <sup>2</sup>	Outer sheath colour	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
20099	1 x 2 x 0,5	black	7,5	15,0	74,0	20	20235	1 x 2 x 0,5	blue	7,5	15,0	74,0	20
20100	2 x 2 x 0,5	black	10,2	30,0	117,0	20	20236	2 x 2 x 0,5	blue	10,2	30,0	117,0	20
20101	4 x 2 x 0,5	black	11,0	50,0	140,0	20	20237	4 x 2 x 0,5	blue	11,0	50,0	140,0	20
20233	6 x 2 x 0,5	black	12,6	70,0	190,0	20	20238	6 x 2 x 0,5	blue	12,6	70,0	190,0	20
20102	8 x 2 x 0,5	black	13,8	90,0	215,0	20	20239	8 x 2 x 0,5	blue	13,8	90,0	215,0	20
20103	10 x 2 x 0,5	black	14,6	110,0	220,0	20	20240	10 x 2 x 0,5	blue	14,6	110,0	220,0	20
20104	12 x 2 x 0,5	black	15,7	130,0	280,0	20	20241	12 x 2 x 0,5	blue	15,7	130,0	280,0	20
20105	16 x 2 x 0,5	black	17,5	170,0	352,0	20	20242	16 x 2 x 0,5	blue	17,5	170,0	352,0	20
20106	20 x 2 x 0,5	black	18,5	210,0	385,0	20	20243	20 x 2 x 0,5	blue	18,5	210,0	385,0	20
20107	24 x 2 x 0,5	black	20,2	250,0	468,0	20	20244	24 x 2 x 0,5	blue	20,2	250,0	468,0	20
20108	36 x 2 x 0,5	black	24,0	370,0	656,0	20	20245	36 x 2 x 0,5	blue	24,0	370,0	656,0	20
20109	48 x 2 x 0,5	black	27,4	490,0	854,0	20	20246	48 x 2 x 0,5	blue	27,4	490,0	854,0	20
20149	1 x 2 x 0,75	black	7,9	20,0	74,0	18	20169	1 x 2 x 0,75	blue	7,9	20,0	74,0	18
20150	2 x 2 x 0,75	black	10,6	35,0	123,0	18	20170	2 x 2 x 0,75	blue	10,6	35,0	123,0	18
20151	4 x 2 x 0,75	black	11,7	65,0	164,0	18	20171	4 x 2 x 0,75	blue	11,7	65,0	164,0	18
20152	8 x 2 x 0,75	black	14,6	125,0	258,0	18	20172	8 x 2 x 0,75	blue	14,6	125,0	258,0	18
20153	10 x 2 x 0,75	black	15,8	154,0	305,0	18	20173	10 x 2 x 0,75	blue	15,8	154,0	305,0	18
20154	12 x 2 x 0,75	black	17,0	185,0	350,0	18	20174	12 x 2 x 0,75	blue	17,0	185,0	350,0	18
20155	16 x 2 x 0,75	black	19,0	245,0	445,0	18	20175	16 x 2 x 0,75	blue	19,0	245,0	445,0	18
20156	20 x 2 x 0,75	black	21,5	298,0	520,0	18	20176	20 x 2 x 0,75	blue	21,5	298,0	520,0	18
20157	24 x 2 x 0,75	black	23,2	365,0	620,0	18	20177	24 x 2 x 0,75	blue	23,2	365,0	620,0	18
20158	36 x 2 x 0,75	black	28,2	532,0	940,0	18	20178	36 x 2 x 0,75	blue	28,2	532,0	940,0	18
20159	48 x 2 x 0,75	black	32,0	708,0	1250,0	18	20179	48 x 2 x 0,75	blue	32,0	708,0	1250,0	18
20125	1 x 2 x 1,3	black	8,8	31,0	102,0	-	20247	1 x 2 x 1,3	blue	8,8	31,0	102,0	-
20132	1 x 3 x 1,3	black	9,7	44,0	116,0	-	20255	1 x 3 x 1,3	blue	9,7	44,0	116,0	-
20126	2 x 2 x 1,3	black	11,7	62,0	161,0	-	20248	2 x 2 x 1,3	blue	11,7	62,0	161,0	-
20127	4 x 2 x 1,3	black	13,5	114,0	230,0	-	20249	4 x 2 x 1,3	blue	13,5	114,0	230,0	-
20234	6 x 2 x 1,3	black	16,0	168,0	310,0	-	20250	6 x 2 x 1,3	blue	16,0	168,0	310,0	-
20128	8 x 2 x 1,3	black	16,8	218,0	377,0	-	20251	8 x 2 x 1,3	blue	16,8	218,0	377,0	-
20129	12 x 2 x 1,3	black	19,3	322,0	515,0	-	20252	12 x 2 x 1,3	blue	19,3	322,0	515,0	-
20130	16 x 2 x 1,3	black	22,0	426,0	656,0	-	20253	16 x 2 x 1,3	blue	22,0	426,0	656,0	-
20131	24 x 2 x 1,3	black	26,5	684,0	952,0	-	20254	24 x 2 x 1,3	blue	26,5	684,0	952,0	-

Dimensions and specifications may be changed without prior notice.